<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 620
gagcgggcct cnccgtgctt gctctcgctg ccgacgctct ttttccacca gctgtaggan      60
aagcccgaag accactggtc cccggggtag gccaagtacc actggtcctg ctgggctcctg     120
acgctncggg tcttcctcgt gggcgtagact gccagcttcg gagaccnctc agccctcncc     180
cgcttttctc caccccagga ggccatcagt agcgagctac tgcctcggcc acaacctccc      240
agcangatag cccgcggttt ccaatctgcg aaaggaggac cgccnagccc gaaatgccna      300
gccagacnat cactgccacg ccgagccnag cgctcgtgc                            339

<210> 621
<211> 267
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 621
gggghgcatg gtcccnggta gccaagtaca tggtcctcct ggctcctgac gctacgggtc      60
ttcctcgtgg cgtagactgc cagcttcgga gaccnctcag ccctcnccg cttttctcca     120
cccnaggagg ccatcagtag cgagctactg cctcggccaa aacctnccag caggatngcc     180
cgcggtttcc aatctgcgaa aggaggacg ccnagccaga aatgccnagc cnagcgatca      240
ctgccacgcc nagccnagcg ctcgtgc                                        267

<210> 622
<211> 847
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G

<400> 622
cttangntgt cgactgacgt catgcatgan ttaaagcaga ggtttggtga aatttatgaa      60
aaatacaaaa ttccggcttg tcctgaggaa gagccactac ttgataactc tacaagagga     120
acagatgtga aggatattcc ctttacttg acaaataaca tacctggttg tgaggaagaa      180
gatgcatctg aaatatctgt ctcagtggta ttcgagacat ttcctgaaca aaangaaccc     240
agtctcaaaa atatcatcca tccatactat catccgtacct ctgggtccca ggaacatgtt     300
tgccngtcat cttctaagct tcatttacat gaaaataaat tagactgcga caatgataac      360
aaactaggca ttggacatat ttttagtaca gataacaact ttcataatga tgcaagcact     420
aagaaagcaa ggaacccaga agtggttacg gttgaaatga aagaagacca agagtttgat      480
ttgcaaatga caaaaatat gaaccaaaat agtgacagtg gcagtacaaa taactataaa      540
agcctgaaac ctaaattaga aaatctgagt tcttaccac cagattctga cagaacatca      600
ggaagtatat ctacatgaag aattacagca agacatgcca aaagtttaag aatgangtca     660
acacattaga aamaagantt ctgggctttg aagaaagaaa atgttccact tcatcaagaa     720
ggttgaaaga agaatgggag agcccngaan tttttgcccn gaaattttcg ggaaccctac     780
tggatgggtc nactggttgg ccatgaatga atgatggact aatcnnccaa ttcctnggga     840
agggaat                                                              847

<210> 623
<211> 681
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(681)
<223> n = A,T,C or G

<400> 623

```
aaaactgtac tcgcgcgctg catgtcgaca ctagtggatc caaagaatcg gcacgagcga      60
aaangctcan gcagccoggc tggcggcngc cgctoctcoc cocaggaaag ccaangtgga     120
ngctgatgtg gctgcangag ctcgtttcac agcccctcan gtggganctgg ttgggcogcg    180
gctgccangg gcggaagtgg gtgtccccan gtctoagcoc caaggctgcc cctcacaaag     240
cactggtggt ttgcctccac tgccaccttg ggctccgaac ccgctcccct gctgtggang    300
cccaacgtgg gaatccaggt cccnaggtgg actgcctgcc ttgccctcac tgcccactct    360
gcccacactt ccctgcctag anaccgggaa ggggctgtgt cggtcantggt gcccacctgg    420
atgtggcagc accgantgtg ggggtcgacc tggccttgcc ggtgcaaaa gtggggccc      480
ngggaaaagc acctgaagtg gccctgaaaa atcccccctt aatttthccc caatttgggg    540
ctcnaacaaa aggaaattgc tgaagccaan ggtaccaagg tcaccoctaa ggccaggggtg    600
aaaggtcc aaaattccaa tncccacont ttgggcttnc ctcttggaac cccggcccc      660
tctcntgaan ttttaaaaaa n                                              681
```

<210> 624
<211> 661
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(661)
<223> n = A,T,C or G

<400> 624

```
attggtcrta ctgtaccacc gggtggaaat cgatggccgc ggcgtctaaa tatccgattt      60
tttttttttt tcctcttctg actgtccatg gacaaatgaa actaacttaa tctaactaaa     120
aaacacaact atattttgaa gattttctat ctgcactcaa ggacacttto cacncggttg     180
ttgttacctt ttggtcttgt ctctgaacat gaaattnatc tcaagggatt ngatttctgg     240
acctcctatt cctgctatgg gtttgatatt tcttgggctc cagggccaat gttgcattgg     300
gntgacagnt acctcctagc ccatanccto ctatcttggg aaacaaccct aacaactacg     360
tgtacctctcc atagatctct gattgagtct cagtatncgc ttgctcatgg gcgattcact    420
tgaatcogtn attggtgcca ncaatcctga ctcatgggnn aatggatcct atcacgttcc     480
cctgattngc aacccctgta tacatanatc tcatcgcata gaatctagcn tnggntatgc     540
gcggctacgc tatcagggat tgntaactat ngcatggcta cgaannctga tcatgatcna    600
gggtcatgga ctcttatcag ggggggttggg ccgngcttct ttttcnnacc ttggtaaaac    660
c                                                                    661
```

<210> 625
<211> 181
<212> DNA
<213> Homo sapien

<400> 625

```
gcaacaatca gatcatgtta aagtaaatct ccattgccct ggatcacttc aggatttaat      60
tgtccaagga gagcagggtt ctcctgtgaa aaaaaggtgg ggaaatgttt gagagtaaaa     120
aataonaaat tcaacoggtc gaaaatacac cactccattc agtgtctctac cocataagc      180
```

222

c                                                                                  181

```
<210> 626
<211> 181
<212> DNA
<213> Homo sapien

<400> 626
gcascaatca gatcatgtta aagtaaatct ccattggcct ggatcaacttc aggatttaat        60
tgtccaagga gagcagggtt ctcctgtgaa aaaaaggtgg ggaaatgttt gagagtaaaa      120
aatacaaaat tcaacoggtc gaaaatacac cactccattc agtgctctac cccataaagc      180
c                                                                                  181


<210> 627
<211> 813
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 627
accaagctgg agctcgcgcg cctgcaggtc gacactagtg gatccaaagt gaacgtgaag        60
gtgagcagag gagaacttgc gatggcaaag ttaaaaacaa gaggagatga tggtcttggt      120
gtggcaacagg atgttaaaaa aattctcctg tccttaagga gttactgcta tttgagtaat      180
gtgccacttc cctacatagc cttctatgca gaaatgctat atttccactt cacaacccag      240
aacgtgcatt ttatttttaca tttagaggag gascaaacaa ccaaaaggca aaaatcgytg      300
cattatttt tgcaattctc ttggaaaagg ttcgtttta acttctgctc agacagcaca      360
caactactgg gaatatattt taatttcaaa tctgatgtgt gacatctggt aactcattta      420
ttgctaatga agttttcaca ggaagcagca gtcaccagta gctcatctta tttttcagtt      480
ggcaaagtgt tgtttaccct ttattggcct gcatcggtgt ctcttatcac aggtatttta      540
attagaaaac gcaagtagcc taacatagaa nagaaatgga gtggtagata atagtagata      600
gaatggctaa atatttttat tacagtgatg taatatcact gnaatttatg gttaaaaatt      660
atgtaatact caaaaggaat tctcagactg gcgaaacagc tggncaacag ctntcacagg      720
gctttnanct cctnttgagc tttcccctg ntggacttta gtcttccttt tacnccogna      780
gttnccattn nttaccaatt gtnccgggaa ana                                       813


<210> 628
<211> 646
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 628
tttgggnggn ggtgtctcnt ttgggtggac ttttttggtc gtagggcccc aaggccgtta        60
atcccgtaat aacggaagac gaagsagagt cagaagagtg ctttctataag gatcgggacg      120
agactacctt agaggaataa aggaaaaaag cagaggaggsa agagtggtag aaggagtcag      180
aagsaaccca caccgtcgttc tgaacctgga gccttatcaa aaaggtctag ataaacgata      240
gccatctcga tatcgagctc aagaggtagg tttagagact tctcgtcctc gagagcgaaa      300
tggaagatct cgacgacgat aagaagttaa agtgtagagg gtgcttgagg agcgcgtgga      360
aggattctgc ggaagggaccc atcgacgtag agacttgaag gcctactaag gtccacaaga      420
agcccggctc tttctccgaa tggtcggagc gtacagtatg cgacgtcgat cggcagacaa      480
```

```
gctggcggta gactcgaagt gttcgggcga atcgcacttat aatagtcgcg cgctagtaac       540
gtaggaacac gaagagtagt cgaaagaaaa cgtttagtga gggaaaagat tagggaaaaa       600
ggagaggctt aataactaag acacttggag cctaggccaa cgcgaa                       646
```

```
<210> 629
<211> 617
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G
```

```
<400> 629
gccccncce ccctcctngg gcttatnggg acagacccac gtagtactct aaatcttctc        60
ctacgccnga caacggaccc tataccaatt cgaatcttcg acactcngac cgccggattc       120
tcttccccct tcggcttccc cttcttgtcg gtaccccctcc ctagtcgtct cctacacctt      180
cgtaccgtcg atatataagtc gccgcggact agcctattta ggtgtcctag actcgttatt      240
gatcaactca ttagtctagt actatgcgtc acgtatcttta gttgcctaag aggyagatta     300
aatcctccac aagttccgac gaattcctgg actctcgtac tagcaaactt tcttatgagg      360
cttccttgta tatcttctcg atgtttctcg tgtccggctc ctccgctact actagagctc     420
cttgcccctat ctctagaagt agaggactct cgggtctcgt ctccaaatct agcgctagag    480
ctatcgctac ccgctcgatt ccccagcgcg aatcttgaaa cctgaggtag tacacaaacc      540
ctccncatct tccctcggtt gctccttctt ctcatccccc cttcccgcct tctcgggaan     600
gaatctactt tancttc                                                      617
```

```
<210> 630
<211> 644
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G
```

```
<400> 630
cnntncggcnt gggtttttntt ctgagnnncc cccccccccc cccccccaaa cttacacca        60
ccaaacactt tccgccccct acctaggaga cattagaagg gtttaggctt cggcgtatag      120
taaagtccts tacctcggca gtagagaatt cggtatttaa attcagggt agaggctgcc       180
tcgttagatt tatagtttag gtttagaatc ggaaaccttc gatcttcctt agaaggtaa       240
taagtgaggc cctaaatccg tctaacncag gcgttaaggt ccgtacctaa acctagtntt      300
atcttctatc aggcgcacca atataggtag gttctacttt cgtataggcc ttaaggaata      360
gttcggtagt tatcgaaggc actcctctct aggctaggct tttctcagtc ttagtactcc      420
gggaccgtcg tcgcanaaat atcgatggac tccgcgttac tccgcgttac ccgctcgggct    480
aggatatag agcgaattat cggcgagagg cggtcgctan gaatcggtat caatatgntg       540
ttcttthccc tacggatatc ggcagnaaac ataaaacctt ctnaccangg ataagggatt      600
atcggaccc tasaataacs gtaacattta gantactagt accc                        644
```

```
<210> 631
<211> 526
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(526)
```

224

<223> n = A,T,C or G

<400> 631

```
ccntcggctt gggttttttt ctgagcccce ccccccccc ccccccccc cccccccggc     60
cccctagccc cacnggnccc acccaaattt taaccaaata aatntaccta tcgntcacct    120
atcccncgta tcgngtaggt cggtaccggt accgggatc ncnacgattn ttcgggtcgt    180
cnccccttaan acggncccgt agccnccgga anaaatacta cgagngactc taatntagca   240
anacccgccg tcnattanta gcatccttag tcttccaatg ncgnggattn ngaatccttn    300
naagttatcg ggtagaacgg gtcccggtcc ccccgccctct ttncaattaa cgccgggtac   360
aaantcggtt tctaaattcc ncacgaattt ngncggcaac attcncgggn ccttattanc    420
cntttccsae cccgatacnc nagctcgatc gggcttanc gaatccgggg tcnccccega    480
ngantccggg tcctttgagt ngctctagga cggttacgac ggagga                  526
```

<210> 632
<211> 647
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 632

```
tttgggnggc gggngctcat ttgggtggac tttttgggtc gtaggaacct ggtatgagqg     60
gtgtttgag tttcttcttc gtcgtctctg cgaggttcgg tttcgattga gattcgggtt    120
cgtctttatc ttacgaggca cccctgatatc gttgcgcttt ggtttggtttg tggagagttt   180
tgtcctaatc tagcgggtca tgcggatgat atgtagcctg cgtggcctga tagtgtatgtt   240
gtgagcttga gagggggagtt gtgggtgttg cgggcggagt aggagggggtt ggagcaccgg    300
gattgggaga tatagaatca taagtgttag gtataggtcg attgagcgag ttcgtggaat    360
tcgtgtggtc atcataatta gagtgaggat gggctctata tttcttagag gacgcacgt    420
cgtgattcgg ggtttgatgg gtgttcttct tgtgggcacg attagcttgt tcatgatggt    480
aaggaccata ctgtttcgaa tgaggatctg tgtcttcgga ttgttgtgga tattgtgggnc   540
tanactattt agtgtaagcc ggaggtggtt tgccgtggtg gagtatccga nnttcattcg    600
ganggtatgc gtgcggagcg gtccttgtag acattccgaa aaaatgg                 647
```

<210> 633
<211> 630
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 633

```
tccttcggct tgggtttttt tctgacccce ccccccccc cccctcgga aggcctctag     60
gctcccaccc gtctctctaa tcctcaggaa ccgatccacc caaccaactt actaatgtcc   120
tacagtaaac accggagaat ataaacccac acctaggcct ccaatcctac cagggaagca   180
agaagccgta gtctagacgta ttacgaaccc gagatagaga cggagatact tagtttatt   240
ctctcggaat aggaaagacg actgggagyg gaatatagcc tagcgcgggg ataggggcta   300
tggccggatat ggggcgggt cgctctctta ttcttctata ccacgtcaat aggaattgtag   360
atatcctag atgttcccgt agaaagagac gttagagtc tccgaagcta tanaggagag    420
gcgcgaagca acttcgtact ctagctttat ataggtagtc gctctagtcc cataacgcgac   480
gagagatcta ctagatttcg gtatcgccgt cgtatgtatt cgaaatagtc ttcttcccct   540
tttcgatrtc ctctctatc tacatggnga ttatagtcnt aagatagtca ggatattagg   600
atattagtta tatgacgttc gacgggacgg                                    638
```

```
<210> 634
<211> 647
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 634
ccntcggctt gggttttttt ctgacccccc ccccccccc cctccactaa gacttaacc      60
caacccitata gtttactcgt atagggaat cgaggagaaa taggaacgaa gagcgggtga     120
taaagagaaa gtactttcct ttatatgtta agagcttagc gtaatgactt tcgttatatg     180
gctagttgat tttatccggc gttatagggc ttagttctgg ttatctcggg tctaattccc     240
ttagtatgct cgggagttta acgaggtcac gggatagcgc gtaccctttc taaggttctt     300
ggaaagctat tcgttattta tcgcgattct cgaggtcgaa aggatcaagg atcttccctt     360
ttactacoct agtcgggtta gcggtcggtc aaaactagtg tagtaccttt acctcctcga     420
aagttatgt cgaaacaacg tattagtcga aattatagcg gatagctcga gacggttctt     480
tctcgggttc tcagccggta atcctctat ttgggggtct tctccctctt cccctttgtc     540
ttccgcctta gcttccaagg ttcctcggaa gcgaggggtt ctacttaagt cgttagcgtt     600
ccttataaac cncctacagg cagacccct tgtaaacggc tcggggt                   647

<210> 635
<211> 645
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 635
ccttcggctt gggtttttt ctgagccccc ccccccccc cccgaaactc gccttaccct      60
agataaccaa agaatagttc cactcaactt cgtctaagta aaactctaga acttcaaac     120
ataaaagact tcgcgcggtt agctacacag cctacgggaa tctcacgaat cccgattcaa     180
gtcccactct cgaccacacc ccggtatcgt cgtttccca taccaatgtc gaaaataaa      240
ataaaatcca gtcaagcccc acggtaagcg ggggtagggc taggcgaaga ggcaggaacc     300
gttcgaggcc gggggcttttc aaaatacaaa acaactactt aaagtttacc ccttctaaag     360
tcggggcaa cggttaaagc acgcctctaa agtactactc gtttcgagaa ggggtagtca     420
tctcccgcat agagactctc gcgtatatca actcgcatcg cttctagcat tccgacggtc     480
gcccgcggct acatatcttg cggattaget ccgaggggct ataggttaa ttagtctagt     540
aaattctctt agaggatagt cggggtcgta gttaggcagt acgaggggac atgggnctgcg    600
tcgtgctcta ccttgacagc atactcttat aaacatcttt ttcct                    645

<210> 636
<211> 643
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 636
```

```
ccttcggctt gggttttttt ctgaccccc  cccccccccc cctagcggaa aacaatcccc      60
accgagattt tattaatcgt aaaactcgcc ttcggtaaca agtcttcctc cttcccgtaa     120
cctggctccc tcctagnggc tttacgaacg tccctcctct tcttacggct cggaagtggt     180
tacggttaaa tccggagcng gggctaacga atccaaggct aactcctctt anagtttgtt     240
gtccncncgt ttagtaagga tccgtggacg gcgagtattt gnccoccggc ctttattnta     300
tagttcccta gtacgataaa gntacoggct atcctattac agcggataaa agttatttan     360
aggggcgacg tcncncgctag acaggotaca gctagnggag gtaccgcctc cgactantcc     420
gttgnttccg acaaggnagt ttcggttaac tccacaaact cctccgccga ctctanggtg     480
gggacggcag ttcccncgtt tagtgtgcgt tatagacagg ggcatttgag ttggacgtta     540
cntttaaca tacgttattc cgtttagntt cttgcggcc cgtgggggta gtncnccggc      600
gcgttnntat cggcgatttt ccgcagtttc cgtttccggn tnt                      643
```

```
<210> 637
<211> 631
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 637
gggttntctc atttgggtgg actttttggg tcgtaggaac cggtatgnag gagtaggagt      60
cgctggaag  actagaagtt agctacggac gattagtgtg attccactct taataacgag     120
taatcgttta cgtcgggttg gtgtttcggg gttttggaga gtaagcgtag ttgtggagtt     180
tcgcatatag gtcccccttac ttcggcgatc tcgtcttctg tcggttaggt tattattgtt     240
catccttcgc attagtagta gggttggtcg gataaatcga tagctattct ttagaattcg     300
tagtcggaga attcgtgtac gaagtccttt aagttcttta agttcgcgag taagacgtgt     360
acggttattt tgtcgtcgac gtaggtgtcg tttacggcag tttcgtttta ggggtttacg     420
tagaacgtta ttaagcacgg taatacgata gaggattacg cgangtattc gtcttagaac     480
gtcgatttt  cgaaggcgca tttgttatcg aaggggagtc cttggagaat cgagatattc     540
caagaatatt acggagatta cagatcggaa ggctctcgag atcggacgta ttaccggtct     600
cgccccgaaac gagtaggtat cntccggata a                                   631
```

```
<210> 638
<211> 606
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 638
cccccccccc ctcaaccatc nattcccccac ctcaacgcga attacggttt cgaaagtcga      60
caataagtcc ggtcgagtag agggaatcag gggctggtan aaaggaccac gggcggaaaa     120
taccggtctc cttccggggaa gcgacgtcgg ggaaagggaa gagagcggtc tagttcgtag     180
gcaaacaggt cagaaaagtt aaggttaaag gtcggagggg agagtaagc  tagtacgctt     240
agttcggggc tcgggcgcag ggccactttc ctctttcgcg ttccttttact ctgcttaccga     300
gttcaggctc cggagttcag cgccggaggt cgtcgcgacg ctaggaatgg ggactcgctc     360
agtccccggt tatccttcgg gattctatgt tttcgccgat agacggagac cgggtagtag     420
ggttccgtcg tacgccacct cgtcgccttg atccggcccg ctccgcttaa gggcgatgaa     480
agattaggta ttagggctct acgggacgag gcataggcg  ggagaaggg  ggaggggtcg     540
ggggtcgaag ggantaagaa atcgcnatcg cgccgggtcg gtaggancocg aaatttttct     600
cnncgt                                                               606
```

```
<210> 639
<211> 592
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 639
tccatcggct ggggttttttt tctgagcccc ccccccccc ccccccggaa cgagaaaaca        60
atcccacoct accgcgggga gtgggttgna cgcttagttc tagaatcctc ggaatcgtcc       120
tccggcgttg gtagttccgg cgattccgag tatgccgaag tgtatcgctc cgtctagagg       180
ttggtatctg tttatcgcga tgacgctatt gactcggatg ctttcgaagt aggggggatag      240
gcgcatagat acgcctccgc ggtgtcctct gaagtgccog catccgtgga cgcagcgtag       300
acagctctgg tggacgataa cggcttctcg tactcctact ccggctatta tgttagagag      360
gacttgtttc tgaacggata taccattagc gaaggggtac cctccgctaa cgcaggcgtt      420
tctaacagtt cttccgggcg ctccgaattt agattgacgc ctccgccagca ttgcgggatc     480
ctcttccgtt aggcctcttt ataggatttc tcctccgccc cgaaagangg gtgtcgtcc       540
ccggccangta tgtctagctc gaacgctttg ttactccttt gtttcgaaa na              592


<210> 640
<211> 637
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

<400> 640
ctttgtgcg gtggntgtct catttgggtg gacttttttgg gtcgtaggct tatccgggtn        60
gggctcccga agtagcttag gatcgcaggc tagttccggt ccgcccgtc gaaagcgcgg      120
ttcggcgggc ggccccgcgt tcgttcgcgg gctttaccct catagagtgc caggtctcgg      180
ttcttaccgg ttcgtcgcgg atagatttta cggcgagagg tcggtatctt cgccgcttta     240
cgttcggtcg gcatctacgc ctagttcaca ggtagtttat gcgccggagc gcgtgacgga      300
gaggttatac gggacgcgga agaaccgcct ccaaatgact agtacaggct cgttcgggcg      360
tagatctcct cgctcggtcg gcggttctta cttctacggc cgctctacgg tttaagcggt      420
tcgttagatc ttagaaacta tactcaagtt tcagtcggaa gaaaggaagt agagagagg      480
gtaaacgatt acctccggtt ctagccctt ttactcgcat aacgggagaa cggggtccgg      540
ctctcaagata cgcctcgcga gacgtcgcga ttcaactttta acctccgcta gggcatccgt     600
atacggttaa cgcggtaaaa gcgacctcgg aaacctc                              637


<210> 641
<211> 649
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 641
ctntgtggcg gtggttgtct cagtttnggt ggattttttgg gtcgtaggna acctngtatg        60
aggtctagtt tcttcaacga ttctttggttc agttacgcga ccctatcctt atcttacaat     120
```

```
gtcttctaca tcaggttcat caattaatat atcaattaca cattaacgac ggtgtgacgc      180
aatatgagaa agtatacatt aaggttatta tatattattc gottaaaaag gttcctgaca      240
tgggaacaact tcaccacca ttctagaagc cccccctcct gtaggacccc ctcgagttcc      300
ccattatctt agttcagttt tcattttta aacaggaggg tatcggtttt taataggtac      360
tattttgtca aactttcag aagcttttatc ttcaaatata cttgcaccat ctgtactagg      420
agcactaact attcggtct attacagctc aacagaaaat aattgaaatt aaacaaccta      480
agtatcgtcc accataaccc catcgggcto tcaccccatt tcttcataag ttctagaagca      540
tcctgagctc tttcctatta ccctgatgg tactcatggt ctaataaccc ccgcagttat      600
aggtccttat ggatcctatg ctacccacgg totaatccct tctatcaca                 649
```

<210> 642
<211> 645
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 642
```
tcottcggct tgggttttt ttcgtcgcgg gttactatta tcgattgtta cttgtaaagg       60
cgatactccc accgctcacg atattagacc tgctcctcta gaagcgaacg gcgataggtc      120
tactcggccg gcgaagacgg cgaacggta ggaggagcca tatgcaacce taacggagat      180
tataagtact gggaaaaata ctagtattaa ggtagcgggt taagataggt ggagagacac      240
tattcacgag catagcaact tagaaggtct tctcgaggag aggtaggcta cggactacgt      300
tccttcttcc tctagcctcg agagggagta tagatgattc gcaaaagaga atcctcct       360
tacgctggca taactagacg acgcgtcgtc gggaaatctc gccaaccctt ttgcgaccte      420
caaaaggaag attgtcgttt catagaacgc taatactccg ggtcttcccg aatcatagcc      480
gcatatcggt aagaagacgg taaaatcgcg cgattctaac aagattctgt agacttaagg      540
ctaagcacta gaagcgatct cgattccgga tcttaagatc atactaatag ttcgggtcaca     600
ccagacgacg attagccact agaagcccta ctccgtcgaa acccgg                    645
```

<210> 643
<211> 586
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 643
```
cttgtggcg gcggtgtctc atttgggtgg attttttgggt cgtaggaacc tggtatgcag       60
ggtccgcccg gaattaaaag cgggatcccc aaaacgnngn ttcgcaagaa gagaagaatc      120
atagcgatag aactttcata gtacaaaggt aactaacgag aaaataatgc agattcagaa      180
ctagttgcca aattagaact cgattaggcc aaggatccga gcctggcgct atcactcgg      240
gacttaagct acggtagagc agttcggtcct gaagcatagc tcccgtagga cgtaggaaac     300
tagtcggca cggaggacat actctcgagt ctcggaacgt ctatttagaa tataaacgca      360
ttaacctcag aaggcgcgca cgcggttact ctctagggaa ctatttcatt cctctccggag     420
ctccctatt tttccaacac atataccggc aaaggaaaat cttntgtcct cggtctaaag      480
agaggggaaaa aaaacgatat ctaggttcgg gtttatccat ttaaaaaat ngacgcgact     540
actccctttc aaagggagtt tcccctagg aagagttcaa cngaag                     586
```

<210> 644
<211> 646
<212> DNA

229

<400> 644

```
ctttgtgggg gtggttgtct catttgggtg gcatttttgg gtcgtaggaa cctggtatgg      60
agggctattt gacttgtttc tcaaatccca tggtatggtg ggtgggtgc ggggtggcgg      120
tcggttaggc ggggtggggg gtcgtcctcc aaaggagttg ctagagggct tttagtgtt      180
ttagggcggg aaggggttag agcggagaga cgtcgtcgtg gaagcttctg gcggagcgcg      240
agaagtagt tagcgccggt tcggaagatt ctcagaattc gagaagaggt agtggggcgc      300
ggagagagag tttctaagtc taaacgtaga ggtcgtccta gtcgggccgg gagtagcttt     360
taagctagag gtcgaggtcc tcgtttaggc tccgggctct tcgggcagta tcctctttct     420
cgagaaacgg agcgaccgac gtcgtagccg gaccgtcta tccgtccgtt tagagatacg     480
ctcacctcca cgggcgtata tgcccgtata cgtataaacg cgtaatatac tcgccgcgtaa     540
aacacgtata cactatatac acgcatcgta cggaccgtat agcgttatac gcgcgcgtat      600
attaatttac acttatatac gcgttaacac gatatatcac acncog                     646
```

<400> 645

```
nccntcggct tgggtttttt tctgaccccc nccccccccc cccccggtcg acaacgtgcc      60
caccgttgcc atccagcat agctggttcg tctgtttta ttcttactag tttagttcgc      120
ctatatccc tcgtctatcg tctatcattt aaggaggcgg ggctcgctct ttaggcgggg      180
tatcttaggt attcttctg tttcggctgc cgtctcggag tctggtcctt ttgcttcct      240
ttcttggtcg aacttcgtgt ttgatccgt tgtttctttg gggtcgtcat acctaaggggc      300
cacttcgca acaaacaagt ttgtgtagtc gtttctatta gggttcgctg gccggcgctc      360
ttactggttg gcgattttta acgcgtttgg tttaatttg cttcctcccc tagggctcgc      420
tcggtcttct ctctgttcgc tgctctcgtc cggccttttg tgcggggata gctccggcta      480
ttancgtgcc gtgtccgtgt ggnttttgtc caatgtgaag gcctagggt gcgggcttct      540
ttggccatgg nttccccct tgtgancctt aggggtaacg antcgtaatt aaagtgtcggg      600
ggttggnata cgtntntangg gangcctgng tccgntattc cttcgtttgg cctn          654
```

<400> 646

```
tccttcggct tgggttttt tctgagcccc cccccccccc ccccacgcc aagtacacag       60
acccaccaaa aacaacgtca acacaacttc gggtatacg acttaagag agacccgta      120
gtagaccta ccacagccat ccaatagtca aacaacaagg cgcacaccaa tccatccata      180
gagctatcaa acaacgcagg ggaaagcaaa gagcaggggtc aacttagcag agatcgaagt     240
```

```
cggcactaat tcctttcaag tactcgctcg gcttgtagtt cggggtaaag tccgctctca      300
aagggccaac gaggttttaa agcgaccccc gtatcggagtc ttcttcgtat tcattaaggc      360
gttaaaggta cgagacctag aagagagtag aattagccca ccaaatcgcc taaaccggca      420
aaaacgaccs aaagtcaaag accttacaaa atatcaccct aaaacgccaa ccccaaaaac      480
gcgatccagta acgcacgtac ctttcccacg cttttctttc tttcactctc caaaacaaac      540
ccgaatattt agcgcaaaaa atatccgagg gagaattaga agctattacc cgaaaaaaaa      600
ncggananagg antaaatngt gggaaatana cgtttggttt ttctg                     645
```

```
<210> 647
<211> 753
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 647
accttacctg gtaccgggcc cccoctcgag tttttttttt tccaaataca actcagattg       60
tatacgaaaa gctgataaata cattgacttt tgctgtttaa atcccttgag cctttgataa      120
tgatttttt tgtgttaaca attgtagtat ataaaatcgg attcaccatc cttctgatgc       180
catattgatt agtttgattt tatggtgatg ggatcattgt gtgttaactg tattaagsag       240
aaatggattt gattgacttt gcatccattt ttatctgtgt tactttcatg ttttatttaa       300
aagcatttct ggaccagaat aagttaagtg gtataatttg cttttacac gtttatataa       360
ttgaagttag caatgtggcn aaatctctaa tggaaataaa atgcttcaga atgatgacat       420
aaatctgagc tatttcttgc ctggagaaca agtgttattc ataataattt aatagcttct       480
gaggtgtttt gttcatgtga tgaaggctta tccaccttgt atcaattcat gggctctgct       540
ttgtttaatg tagtcaggtt gttaatacna gacttaagag tcdtcctact gtgataagtg       600
gtgagtgaag attacatgtc ttangaaaat tatactgggga atatctctga cattaatggg       660
tttaaatgtt ttaaggctag gggatgatgc aatggganaan atncttccaa angtttctgg       720
ttgtttatat ttgnggaagn catnaagana ccg                                   753
```

```
<210> 648
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 648
gatatcccgg ggaaatgcgg aggcctttng gcttacgtgt ttaccgcgta gggcaaagcc       60
ttgncaaatt cccggccagc ggagcggcga gggtggcgca tcacgggaag ttaaacagcc      120
tcgtcggcgt cctcgaggct ccaaaaccag gctctaggcg gggacgactg cagccgttat       180
ggagcgaacc gcggctaccg ccgggcctga ggcctcccca ggtggagcgg tggcctggag      240
gggaatcttg atcctgggcc agcacctgt caagaggagg cgaagcggtca tgcctctgsa      300
agactggatg aatattctcc aggagcctga cgaaggcgaa gaagtctttg cagaggaaat      360
tgaatgctgct ctgatgctac aat                                            383
```

```
<210> 649
<211> 349
<212> DNA
<213> Homo sapien

<220>
```

```
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 649
cgattgtnta cmagtcttag agtaagctta agntcgntac cgagctcgga tccactagtc    60
cagtgtggtg ggaattccat tgtgttgggt cactagtaaa tggatttagc tagacanagg   120
anatttaccc tattccattt agcacagtga gganeggcta nacagctagg atgcaataaa   180
aaaaattta atgagaaatg tgtgtggtag attaattcta ttaatctcaa gttatatgatt   240
aaaaattta agtaccncat aaatgccatt tgccttgct aamgntacat ttttatgaan     300
aangaccntg catccnnaat ganatactgg actttnggna cttgangga               349
```

```
<210> 650
<211> 306
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 650
cattgtgttg ggagcatcct tccatcagct cccatgagaa attctctgtt gggtttaagc    60
aatccccaaa tatatcatat tgacctgaat atatcatctc ctcaatgtcc agcattagca   120
gacaagatga gtgctgaaga tgatataact cctacctctt atgtaggcta gaggtaaagt   180
ctggctctgc tgactgtggg gacataccga aaaggaatgt gggttastat cagangacct   240
ccctgcagat ccganantca gggnctggac tttctgtggaa aggaagcnna aagttatntc   300
tgaacc                                                             306
```

```
<210> 651
<211> 769
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 651
cattgtgttg ggcagggtca tttctaaggc atgggctgga agctttatt tasaactta      60
catgtcttag aagcactctg gttgttgcta ggcagacaat tttacatctt ttgctatacc   120
agttgcatga agttcatcat gcatattggc tgtggaaaac cttaacagca tcatgtcata   180
aggtttcagt aaggtttaaa tgaaatcatg tattaagcac ttagtatagt gcacctaaa    240
tgttagcttc aacacaatga caacctaact aatgttgaaa gaagcttgtg tttgtaaatt   300
atgtcttatt gaaagatgtc atcaaatcct gttatttcta atccttaaa gtctctcmat    360
gtatttcttt ttgccatatc caatgacagg accttagttt aagcacagtg ttctctcaac   420
ttctaatcca gagataactg ggtgtcccca agacctttc agagcatcct tgatgtcaaa    480
acccatttca taataatatt aaaatattat ttgctcattg tactcttatt ctctcccaaa   540
tattcagcga gtttttccaga agctatataa catgtggtaa catcttatca tctgacgat    600
taatagaata tgngnttttg gattcttgng tttaaaattt tctcacttg gggttctaat    660
atggnnacga ttaatagata tggnctccat gaccagangg ctttaaagca ntcaataatt   720
tttaagagac taagnactat cctttaaaga tngngaactc catcttaat                769
```

```
<210> 652
<211> 267
<212> DNA
```

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 652
naangccctt taaccattgn ggcctccacg cnntggcggc cgctctacaa ctagnggatc      60
cgcnactcta gnanaangat tggctcttnt gggntgggcc ggncgggctg gggcgttaag     120
cgggggctgg gcgcgcgcgn ggttgnacna ggcgccgccg cccncacacn ccggagcgc      180
cctcnttgcn gocntncccc gctcaccccg cgcgcgcgn tccgcttttt ccncacccan     240
agcnctnttt atctntgtct cctccgg                                        267

<210> 653
<211> 501
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 653
cccnttnacc cattgctgga ctccaccgcg gtgggcggcg ctctanact agtgggatcc      60
ttncaatgag atgngcgang gaggacnnat ttgctatnct ggatggggct gantcntnta     120
gctnctctag cancagatgg gttatcgagg aagatgactc caanggggcta nantcctatg     180
cncatcctaa aannccnctg ctgtnttcag agtacgcgac acatcatcnc tnatgcattg     240
ntgancaaga cgggcangtg cttatcctca gcgangatgc cettaaccan gagctcgaat     300
ggacntatca contanaggt acannttnccg caccacacac cngcttgcnn cctgcacgctg     360
gactggatcn cttaggccac caatncccg tttnccacat ncctgggacn ctananatac     420
tcgangggg gcccggtanc caattcgccc taatactgag ccttgntacg nacgctnact     480
nggngtccta ttanaacgtt g                                              501

<210> 654
<211> 710
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 654
gcgncttttan cncatgctgg gctccacgcg gtggcggccg ctctacacta gtggatccca      60
acactgagtc caccacagna aaactcanca ccaggcagac cccacactg cagaatccag     120
gctgcaattc acagactaat cntctagacc cacctcagta ccagatggta ccacacagct     180
caaggnttta ggtttgcgtg gtanactcaa tctctatctt tcaccactgc cagcctgact     240
tcagagatcc tgngctctgg acagtcctca gtggcaggca actctcagga gcctcaggnt     300
tttggcacat cccagnacca gccagctgcc acaggcctg acttntanc aacactgccc     360
atgtattcca gacttctanc atnccacagt gccatgctga ttgcatctat agangctcag     420
gtgcncctca aanctgtgcc tgctgcagna ngccccacgt ctctggcatg ccccaatgcc     480
atgngtggna acanttgact tctgggcatg ntggaattcc ctaccactga ncctgaccat     540
aggngggganc ccattttttt cgagggggggg gcccggcccc caattccncc ntatagngag     600
ncgtanttac gcgcnnctta ctnggccngt ngtttaacaa cgtcnnntgan ctggggaaaa     660
cccctggang cnaocccaaat taaacngcnt tgcanmacat ccccctttcg                710
```

233

```
<210> 655
<211> 202
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 655
accctttncc ctttcaacccc cccsgttttg gcngcccgccn acacctactn catcoaccoa          60
canteqacca cocgagcctt tttcogatcc cancatcnat gcngatttttn tctntgcmtg          120
ctgngcctgc acctttgnta ggtcaagcct ggcccatctt cgacaacttc ctcatcacca          180
acgatgagge atactctgac ga                                                    202

<210> 656
<211> 308
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 656
gctgntgaaa gaccacaccg aaaaactctn ctttccgact tccacatgat gatcngcatg          60
tggtggtgag agacttatca tgacgacatc gcttccnacc atcgcanccn ctgcccaagc          120
ccattcatgg aggcctgggn anttctgtga ntgacntnga cnctanacnc tnccactgtn          180
tgctatccag acttgnttng aatatntttat tggcmaaana canttncgga atgctgtgnt          240
tgnncattga angatctgat cactatgaga gggtgaggac nncctgctng ctggcantnt          300
ntaaccca                                                                   308

<210> 657
<211> 696
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(696)
<223> n = A,T,C or G

<400> 657
accntttcca caatnctgnn ctcccgcgg tggcggccgc gtcgaccagc aacctcagct          60
gtgggtcttg ttacagtast gagttactgt aaggaaagtg tgacatttcg agcaatttga          120
tttgtttaaa aactagagca gtttcaggt tttccttgta aatctgtctt atgtgtcttc          180
aatgttcttt cttgaggagt agagaaagga attgttagga atgatgcata aaccatggct          240
tatttttatct cgctgccacc cataatcaga gcagattctt gggactatga ccctcatgga        300
gacatgacaa ttgtgtgtgt ggtgggtggg aganaaagagc tgggaatttt tagggtctag        360
agggtccaat caggactatt ttatggagct ctgctcaaca actttaagtg agcacatgga        420
gtgngaaagc gaatcttggg ntcaaaanaa caatggnaag gggtaagttg gtatnctgaa        480
ctggcccactt cggactctta tttaactggg tattctcant taaggaaggcn ngggtggtct     540
tggcttgtna aggaaagcct gtgcaatgga atgactttaa aaccccccat taaaaaaaaa        600
angntatnaa tcttgggtct taanaangaa gcctgggttc tnttcanccca ttttnccccc       660
gggaaggnaa atnttcttag gnaanggaag ggaagg                                  696
```

```
<210> 658
<211> 698
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

<400> 658
ctggactccc cgcggtggcg gccgctctag aactagtgga tccgtgttgg ctcaattctc      60
aaggctgttg ctgtgcggac tgttccccac acgtgctgct cagctcaggc aagcaccgag     120
cttgtgttgt ttcatgctca gcgtggaggc ccctcctcca ggtcgctgct ctgtggggtt     180
cccatacact caggctccta ggaggagtcc atttagaaag ccagggtttt tctcagagtc     240
ttagttcctt gtgctgtcat ccatttcaca cgacttgggc cctgctcggg gcaaccagc     300
aagagaaaag acagggaaas taagagaggg accttgcaca cacacgctct ggaccacaga     360
gccctgtgcc cagctcctct gtcaatacag gtggaatctc gtgcaggatc gcaggggtct     420
gtgatgccac caaagagcag gccgggacag ggttaggaga gaaaggagag ggaagtgggg     480
gtttctcctca cgcactcttt ttttgcagagg gaaaggcggg tttgttattgg ggttgtcggt     540
ctttgcacac acmgcaacagt tgtgagacac ccccatcctn agatcaaagc cccacataca     600
gcttgggga aaacaaaacn aaacasaaca aaaacagtaa acctccatgc canttgttgg     660
gnaagttttn aatttncttc cccnacccan cttgcttc                           698

<210> 659
<211> 750
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 659
ncaaactggn ctccacgcg gtggcggccg ctctagacta gtggatctc ctcatgggcc      60
tggatatctc tgaacatatg atgaacattg cttatgaaaa attatttgta ngaaaattgt     120
gaggcctaag aatgntattt tcttttagtg atggtctttg tttgcttctg taaggnactt     180
gtgggcactc gtaagcttgg atctctttaa tctaataccn gntttgagat tttcttggcc     240
ccatagatga attaaaactg gcgtacttct tgtttacaag anggataagt ctcctagggt     300
aagtctttg gggtcccaag tcaaaaagat gagggattta ccagttctct aaccttggta     360
gcccagact ccaaacttttg ccttctagtc ccaagaggct atcaaaamgc aaaggccatc     420
ttcacctcc ttttccanaa cagcacscat tccagacagt acttgaaagc aggaacctcc     480
ttatccctta aaacctctt ggaacatct tccctctctt gcttctacta tgcttggccc     540
acctancatt cncatttttc tggaaaccgg aaaaancttn tgacttnngt tggctacatt     600
cagcttggcc ccctacaatn tggttccat ctgccctaan gaaatttaa agggcacttt     660
ttttntggcc cctgactttc aatttttagg gctttccccc angcttgcgc cctttggtta     720
aaggggttat tttccttccc cttttggaag                                     750

<210> 660
<211> 849
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(849)
```

```
<223> n = A,T,C or G

<400> 660
tcggatccac tagtccagtg tggtggaatt cgcggccgc gtgacgggc agtagtggta        60
tgcatntcta aatgttataa ttatttcaga attactctgc cagaaagtta tgatcatca        120
tagaagagtt tgtagctaac tttgaaagta gtggaaagtg gtfttcatgt attgtttggg       180
ttaatttaat tttgattata tttggttttt agttcaggta attttttgt tgaaaacttc        240
aaatgacaat ttcttcatgg ttactaaaga tcactcatgt ggagtagttt cagatttttt      300
tctgaataca tgtattactt ttagagatgt aaagatgtga aattactaag agagaaaccc       360
atgtgatttg tttagtggat caaaagtcgg tagctccttt gatcctaagt gccactgata      420
gttaaataga tactgaagct atgggcaggc tggattgata agacaaaagg agacagagaa       480
atgggaaatt gggaaagaac tgtgcaaata ggaaaaggag agagcaacag aacagaatta      540
gtaccacagt gccgaagtgc cacutcaggt acttccatct cccatctcct gaagaattca      600
gtaacagttt gcaaatggtc aacacaatca tttagtgatc ctggttgatc ttttcaatac      660
ttctgggga tttcttggct ggnttcaaaa gatgatgctg atagtttat tgcccctgaa        720
ggtattctga agnttancat aatttattgg tcagtaaaat atttgaataa aagngganga      780
aggaaaatct ggcntcttat tttgggatnt cngcnggggg aangaggata taattnaccc      840
cggccttgg                                                              849

<210> 661
<211> 653
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 661
aacttaagc tggtaccgag ctcggatccc tagtccagtg tggtggaatt cgcggccgcg       60
tcgacctcca ttcgtttctt gtccttttt ttcatttttt ctcatgttct attcactta        120
ggtttctaag ataaatatta taaaataatt tttacttata aattattcac tgatacctg       180
tcttaaccat gtgaaatgaa ttcaaaagga atcttaatga gaaataatat actcatgatg      240
tttaatagat ttgatttga aatactaagc cctctgaagt cctaagttaa aaataaagca       300
aottgtttga taattttca tcaagaatgt atctgagtgt ctgagtaatt attagtagga       360
atattccatt atcacaatta cacagtataa gctatttagt ctaacttac caaaaaaggg       420
agotacttca acactgtgtg agactttaa tgggtttgca ttgggtatgc actattagca      480
agataaccta tttacagca gtgttmtta acctrtccca tttatttgaa aggcagctaa       540
gatstagtag ttaatntaan gggctgatgc atttatatta catgtagana atgggagata     600
cnaaagggag nggggggana tnttttgnat tcnnaagctt cnttgncaat taa            653

<210> 662
<211> 646
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 662
aaacttaagc ttggtaccog agctcggatc cctagtccag tgtggtggaa ttgcggccg       60
cgtcgaccca gggacaggca gccagagctg gggtcaccag ggtcccctct tgggccctcc     120
aanagcaaca gtactggcaa cagctgggat ttgctgaaca cagactctgc agcaggctcg     180
gttgagctct ctgtgcctgt tccttcaatac catcctcacg cccatccatg agatgggtcc    240
agctgttttc agatgagaaa atggcacagg aagctggtaa gtgacagtca gaaatgaatg      300
```

```
ctggcagctt antccttgga cccacccgcag tgcaggacct tgctcaacag ggatcaccct    360
tgtccgcgcac ctgttcatga ggccaccccag ggttgtgtg gtcatttgtc tccttcatc    420
tgcttgcctt caaccagctg ggtcattagg gctggggaac ccagacccca cacagtcctt    480
ctcccagang ccagacacan cctncgccac agnaaggact tcagtcccgg aancaaatgt    540
ncctgggcgt anaaactgna gggnccccaa tccctggtgg ggtactgctt tgcactggng    600
gaattcaccc ctcattgnna accttcccct nttnncaccc ctaaac                   646
```

<210> 663
<211> 650
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G


<400> 663
```
aacttaagct tggtaccocga gctcggatcc ctagtccagt gtggtggaat tcgcggccgc    60
gtcgacgtcg acgcggcggng ccgtttcgac gcagttgata catattatta tatactacat   120
nggttttcta gaattaaaaa attaatgtgt agtgccagcc ctagatgtaa gttacatata   180
tcaactctat ccaatttttgt cagccataaa acttacsttt ttcacatact tctaactcta   240
acaatgtgag aaatgtagat cattgcaatt ataccacaa ggcagatggc tacatgcaga   300
atggatagca gaatctagct agttacgcta gccacatggt agacgttttt tcctttgttt   360
ttgcaaaatt gcaatataag ttgcatatcg ttagagtgaa aagatgtaaa gaaccoatag   420
aagcagtgaa tgaaggacat ttatattttc accttacaa angacottaa aattgcctat   480
gtggagcaga aactggagga gggcnaaacc atcngtaaaa aaaatttgn tnctatttgg   540
atttgggcac cattattacc tcccccaggtn cctttttgnt ttaaccttc ttttaaaaaa   600
aataattcnt aattttgggg caaaaaaaaa caaggttttt atttaaattt                650
```

<210> 664
<211> 678
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G


<400> 664
```
taaaaatcta gactacacta ggaaattatt ttantatcag aagaatatca ggggtgtagt    60
actcatcaaa gctaaatgag agcgctttaa aaatgttagt ttgtcttccg ccatttctac   120
agaaagctgc aattcaggt tttcaaccta ataggtgata tttaagaaaa aaaaaaagca   180
atcgcaaata gccccactgc ttttacasat cattttttct cttctaggta tagcctgtca   240
ggtggcctaa tgtsattttt gacatctcta ggaattttaa tagaaccaga aatgggtgcc   300
agagatatgc ctgcactaat cttaagtggg gatttatgta tttctcaagc aagtgattaa   360
agcaaaacta ggcacgattg aaatcaanat cttttagcca agaaagtcat gatgagtttt   420
anaattattt taggactctg tggcttctc ttcatagaaa tagaaaaaaa aaattgtata   480
aaaaccacaa aaggtcctga atagcccaaa gcaacactga acaaaangaa caaagcagga   540
agcaacacac taccggaatt caattatact accaaggtgt antaaccaaa acagcattct   600
atggggcata aaatagacca aagacoagtg ggaaacagaa taaagaancc caaaatasat   660
ccatatttta cngccccnc                                                  678
```

<210> 665
<211> 694
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 665

cttttcaat cattttttct cttctaggta tamcctgtca ggtggcctaa tgtaattttt      60
gacatctcta ngaattttaa tagaaccaga aatgggtgcc agagatatgc ctgcactaat     120
cttaagtggg gatttatgta tttctcaagc aagtgattaa agcaaaacta ggcacgattg     180
aaatcaagat cttttaggca anaaagtcat gatgagtttt agaattattt taggactctg     240
tggctttctc ttcatagaaa tagaaaaaaa aattgtatas aaccacaaaa ggtcctgaat     300
agccaaagca acactgamca aaaagaaacan agcagggaag caacacacta ccngaattca    360
aattatacta ccaggggtgta gtaaccaaaa cagcattcta ttggcataaa atagcacctca   420
agaccaatgg ancagaataa agaaccccac aaataaaatcc atatatntac cgccaactga    480
ttatcaataa caaacaccaa gaacatatnt taagggactt nctattcaat aantagtgct     540
ggnaaaaact gggaaatcca tatgcagaaa naatgaaact agacccctat ccctcaccat      600
acgcaaannt caacttcgga atgggattac aaaacttaag acattccaac ccaagaaact      660
atnaaanota ctattaagaa aacagatcnc nccc                                 694

<210> 666
<211> 705
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 666

tttaaaaatt tagatacact angaaaatta tttttagtatc agaagaaaat caggggggtgt    60
agtactcatc agagctaaat gagagcgctt taaaaatgtt agtttgtctt ccgccatttc     120
tacagaaagc tgcaatttca ggttttcaac ctaataggtg atatttaaga aaaaaaaaaa     180
gcaatcgcaa atagcoccac tgctttaca aatcattttt tctcttctag gtatagcctg     240
tcaggtggcc taatgtaatt tttgacatct ctaggaaatg tt aatagaacc agaaatgggt   300
gccagagata tgcctgcact aatcttaagt gggggatttat gtatttctca agcaagtgat   360
taagcagaaa ctaggcacga ggttgaaatca gatcttttag gcgcaagaagt catgatgagt   420
tttanaatta ttttaggact ctgtggggtt ctcttcatag aaatagaaaa aaaaattgta   480
taaaacacca aaaaggtcctg aatagcccaa ataagcocaa acaaacactga acaaaagaaa caaagcaggg   540
agcaacacac taccngaatt caaatttatac taccaaggtg tagtaaccaa aacagcattc   600
tattgggcnt aaaatagacc aaagaccaat ggaacagaat aaagaacccca aaataaaatc    660
atattttac agccagctna ttatcaataa aaacnccaag aacnt                      705

<210> 667
<211> 817
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = A,T,C or G

<400> 667

nnangacttt tgtggtattta tacaattntt ttttctattt ctatgaagag aaagccacag     60
agtcctaaaa taattctaaa actcatcatg acttttcttgc ctaaaagatc ttgatttcaa     120
tcgtgcctag ttttgctttta atcacttgct tgagaaatac ataaatcccc acttaagatt     180

```
agtgcaggca tatctctggc acccatttct ggttctatta aaattcctag agatgtcaaa      240
aattacatta ggccacctga caggctatac ctagagagaa aaaaatgatt tgtaaaagca      300
gtggggctat ttgcgattgc tttttttttt tcttaaatat cacctattag gttgaaaacc      360
tgaaattgca gctttctgta gaaatggcgg aagacaaact aacattttta aagcgctctc      420
atttagctct gatgagtact acaccactga tattcttctg atactaaaat aattttccta      480
gtgtagtcta aactttttta aaaagacatg taatccgcgg agtttgtaac tcaaaacgag      540
tgcatctagg aggtatcgca agccgtttct ggattaaatt cccagctagc ttgcttgctt      600
agcaggggcg ggnaaaaaag acatctgcag cctagggaag aaaaccttc gcattgctct      660
tacgtgttta cgttatttta tttcctanaa caaggcngaa ttggggactcg aatggttcag      720
ttgggggtggg ggatcccctg gtncatcaaa ngtcanaaag anggtacagg cggaacncca      780
agggtcgtcc tgcatttana ctcggaattt tggtgcc                              817
```

<210> 669
<211> 826
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

<400> 668
```
cgggggggmt tacgtctctc tggacgcttt tattgtacca gggcgatccc agcccaactg       60
tacaattcga gtccctactc ctgccttgct ctagggaaat aaataacgt aaacacgtaa      120
gaacaatgcg aaagcgtttt cttccctagg ctgcagattg tcttcttcac cgcccctgct      180
tagctagcta gctagctggg aatttaatcc agaaacggct tgcgatacct cctagatgca      240
ctcgttttga gttacaaact ccgcggatta catgtctttt taaaaaagtt tagactacac      300
tagggaaaat tattttagta tcagaagaat atcaggggggt gtagtactca tcagagctna      360
atgagagcgc tttaaaaatg ttagtttgtc ttccgccatt tctacagaaa gctgcaattt      420
caggtttca ncctaatagg tgatatntaa gaaaaasaaa acaatcgcan atagcccact      480
gcttttacaa atcattttc tcttctaggt atagcctgtc aggtggccta atgtattttt      540
gacntctcta ggaattttaa tagaccagaa atgggtgcca gagatatgcc tgaactaatc      600
ttaagtgggg attttatgtat ttctcaanca agtgattaaa gcaaaactag gcacgaatga      660
aatcaagatc tttaggccag aaatcatgaa nantttttana attattttan gaatctgtgg      720
ctctcttct taaaatngaa aaaaaasttg tttaaaccca naagtctgaa ataccccaagc      780
nccctgaacn anagaacaan gccggagcac ccccctccnaa atcccc                   826
```

<210> 669
<211> 547
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 669
```
cattgtgttg gggaaaaaat gatttgtata agcagtgggg ctatttgcga ttgcttttttt       60
ttttttcttaa atatcaccta ttaggttgaa aactgaaat tgcagctttc tgtagaaatg      120
gcggaagaca aactaacatt tttaaagcgc tctcatttag ctctgatgag tactacaccc      180
ctnatattct tctgatacta aaataatttt octagtgtag tctaaacttt tttaaaaaga      240
catgtaatcc goggagttag taactcaaaa cgagtgcatc ttgaagtat cgcagccgtt      300
nctggatnaa attcccagct tgctngcttg ctnagccggg gggcggtnaa aaaacatct      360
gcagcccngg gggaaaaacc ttgcattgt ttacgttatt ttatttccct      420
mnagcaaggc ngggganttgg ggactcgaa tggtacagtt gggctgggga tcgccctttgt      460
tacatanaag ncgtccagaa gagggacggt tacaggcngg ganctccaaa ggtcagtccc      540
```

239

```
tgccatt                                                               547

<210> 670
<211> 232
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 670
cgaactattt agactaccta ggaaaattat tttagtatca gaagaatatc agggagtgtag    60
tactcatcag agctaaatga gagcgcttta aaaatgttag tttgtcttcc gccatttcta    120
cagaaagctg caattcagg ttttcaacct aataggtgat atttaanaaa aaaaaaaagc     180
aatcgcaaat agccccactg cttttacaaa tcattttttc cccaacacaa tg            232

<210> 671
<211> 214
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 671
ctccccttcc ntccttcgct actncncatt ttcnnaaatt tntttctgcat atgnggaaaa    60
acacccacat tnttcanctc gcacagaaca ngmnggggtg tgtaaaatga agggcttccn    120
cnctttctct tattnaanaa cactnaaana gggangggct aaaaocccgcg ngatntctac    180
nctatcgcgg gcgcttttgg ngttggctag aaga                               214

<210> 672
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 672
ngancagcgg ngtttaaacg ggcctctaga ctcgaggaga cncctgttgg atggtggatc    60
acanntcgnt actactatac aggacagagt atcgggganct cttggmtgtt gyngcctgcc    120
aancactgct nctgttaact gcgtatctga aggggactcgg actggcttca gaagaactac    180
cggctcggaat gnaccatgga tgattcncnc tagttgaaaa aaaactcagg cacatgtatt    240
gccactgatg actagcgcca gactncttctc ggctctntaa cgagccoaca tgncngtgtg    300
ncnccccgtgc tgnctccaga agaggttc                                     328

<210> 673
<211> 223
<212> DNA
<213> Homo sapien

<220>
```

```
<221> misc_feature
<222> (1)...(223)
<223> n = A,T,C or G

<400> 673
ggggcaaag ctggctagcg tttaaactta agcttggtac cgagctcgga tccmmnagac      60
attgtgcatg aaaatgcaaa ttgagtgtgg tctatantgc catcntcacc tnctgncngc     120
tcaaacaac ngctttctgc tgcaatgggt agggctcctn acncacggtc gcnnacggag       180
gccnncttat cctcntcggt nnggatccct ngaagcatnt tct                       223


<210> 674
<211> 256
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 674
gnggggtcnt ngatgagcgc gcgtaatacn atcactntcn ggcgcngntgg gtacccggcc     60
cccctcnaaa gcggcngccc ttttttntt tttttttcatn acatgataan ntcttntttc     120
taaacagacc acadcactan agttcctttn ctttngtacg gaattgagtt aaagtagagn     180
atacaatgca gggctcnnc tctattcac attccaggnt ggtcngnat ggatcggccc        240
tgcrtctccg atgggt                                                     256


<210> 675
<211> 439
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 675
nnactagtcc agtgtgtgg aattccattg tgttgggctt gtatgggtt ttttgtctag        60
ttnttgggga aatgttngtg ttactatntt ttggatatna tatatgtat gtatggcct      120
tctatgggct cctcanacng aactcaccca ttttccacaa aacnattcc tccttccct      180
tcatgactga gtggtgttgg tactatccng gaaactggga cattgtcctt cacatctntc    240
ccttanctgc ctngtccnat tgatgtcttt gagctntgan atgtctttgt taactntctc    300
ctccntctgt actgccggca naattaagca ccatntgtca caaaaagtat tgcgttacct    360
tcacgaatct gttngttncc atncttgctg cttctccngn ggaaaatagg ctnttctggc    420
ascccgaacng aanaaaatac                                               439


<210> 676
<211> 587
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 676
```

241

```
nggnggcctn attaagcgcg cgtaatacna ctnactnttg ggcgaattgg gtaccgggnc      60
cccctcaagt tnatntgccn aacctctctt ttggaataac aaaaggttta acacatatgt     120
cctcataggg acgcgctttc acacnttcct gacngcttca tanacntcat tnctatttct     180
cctcagnaca agttnaggcn gaaggtgagg canacnttat aatttccatt tcacaaatnc     240
ggaaagtgag gctcaaaggg nttaaaaaat aacctgatac aantcataga gccggtntct     300
ggaanaagca ggagcaaagt ccaggcatcc tgatccaagc tngtcccact gccttccact     360
ctggagaggc ttcatctcng acaaaggaag ggacntgagt ggctggaaaa tctcatggga     420
taaagacctc agnatttcat gctnctgyaa ctcccatggg ttgaacaaca ggtntttggc     480
ccgtcgttct ntccctttgn ccatctttta accttgggt aaatgatggc ntctatnagc     540
nttttttttn aaagagatng aaattgaatg attattngct cattggg                  587
```

```
<210> 677
<211> 444
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G


<400> 677
```

```
gtggggcatn attaagcgcg cgtaatacga ctcactatag gggcgaantg ggtaccgggc      60
cccctcgaa gcggcgccc ttttttttt tttttactgt ccaaactntc tatngatnta        120
gttgaactgt ncaacgattt catgaaattc tatacacana gccttcaggt ccagagagta     180
aaacaaattt aaatttnttc accanattgn agcagncana agcatccnat natatccgac     240
tacaatgaat natatgctna nggtanctna tttacccact ntggggtctt tanggtctgt     300
cacaaactat tttcgtaaac atcnnttttaa anttnggtga atggaactaa tnccagataa    360
ntctatttna tntadcctag catnctgtg gctnactttn cgggctgtgt tggcntactt      420
ttaggagaaa attggtataa atnn                                            444
```

```
<210> 678
<211> 670
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G


<400> 678
```

```
actagtacna tgtggtggaa ttcattgtg ttgggagcag tttaaaaaa aaaaagacna       60
aatatacnac tcttgatnaa acataaaggt acagtggtct atgaggaana gaaaaggtac     120
ctnaggatgc aaaantacct accacctggg aaccgttngt ccacactcat tccnnannaa     180
acggagtcct ctcanttnca cacgtgtacg tttcagttgg gaagtgcttg ccattactcc     240
naagcctaga accttcacgt cctgaaggtt ctggaaggtt tttcagattg cttaaganac     300
gcngccctte catattcntc tccnctaccc nggggaacgg aacaaatgga gctgcgacng     360
ggaagcgtcc cttccntcc gaangcttc tttcaaacct gcctgccttc cnggcgaatg       420
gaccggaagg tttnctngct tccttttcanc ccnaattact tcctgngttg aaaattggcc    480
tgttggtttg caaatgcngg aatttgttta ctttcntcat gtcctgtgtt gnncnaacog    540
gctcnctbgt tgcctccctt tngaaaggtt ttcatcaggc cccgccctt ctctttntaan    600
ngtccttaatc cggncngyac cactcgggga aattttttc ttttcagaaaa gccgcccnt     660
ccgtccggct                                                            670
```

```
<210> 679
<211> 449
<212> DNA
```

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 679
actagtccag tgtggtggaa ttccattgtg ttgggagtag gtctactaca ncctacttcc    60
cctatcatan aagancttan caacnttcat gatccccccc tcntannnct tttccteanc   120
tgcntcctag tcctgttttgt cctnttccta acantcntaa ganagatnac taatnctact   180
atctctnacc tccggaanct acaanacgtc tggaactatt cngacccccat gcanccncat   240
nctccatcgt cctcccaagcc cctncccttc ctttacnitta ctnaacgaag gtcgacgatc   300
cctccccntac ctcccnnncc attgggnccc aangnnactg gacctcaacga ntacacnac   360
tacggggnga ctaagnctgn aactccttac atatntcccc gttaccccccn gaacncagcg   420
aacngcnaca ccttggaccnt caagaanta                                     449

<210> 680
<211> 670
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 680
tttcngtgtg gtggaattcg cggccgcgtc gacgagaaga nggaggagga naaggagaag    60
gagagaagg agaagaagga ggagaaggag aagaaggaga agaaatcatc atcatcatca   120
tccactgtct ngcaactatt taagtttgcn antccttga aaacaggtac ttttgtttcn   180
atgtttggga ccactnctga cnatgannag aanaccaata aatgcttgat naatgaaaaa   240
nccacttttt acctgttaga accctgaggc tanqagaant gatgtgactc gacttagtta   300
ccacaaacta tgatcctagc atnaattggg gcatctcaac acctcaactc cctgtgcaag   360
aacagatttt ccaatgtntac tgatgatttt aaatggatta attcctctct ttacttcttta   420
agggcatgaa gntttatgaa acaaaactat ncagttccag acgcttaacc cacatagtgt   480
taatagtcac cttcaacaca cnactaaacc cccaaaaaan gnttttttacg gngttttcgac   540
agtttttctt tcttttttgac ttgnttaaca cccnngacaa ctttgtnctn tttccntgaa   600
tcacanctttt cnaannncca atggtncggt ttttttctcnt tcnggqccct tcccttnttn   660
aaaaccanat                                                           670

<210> 681
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 681
tcatggtgtc nacagtctga tgtgagcgca ttaaatttaa ggatctccgc cccttctcctt    60
aaaactcagg acttggcaat gancctagga agcgccctc ccctccccan ccaaatccaa   120
gcccggacc gctgcggnctc cagctgcgcc tagtgaaacc gccgaattcg aattccacct   180
cggtgggccg ggggaggtgt gcgcgcccgc gggagcgcgg gggcnagccc gaggggactgc   240
aagccaanaa nggaggcatg ggtggtcggg ggcgccgtct gatccaggaa ggagcggagg   300
cgccgatccc acactcttna gacgcctgc ccgngcctgg ccagcgcgca gactgcagga   360
```

```
cgcgcggagc aggaactcgc tggagtttgc caagccccan gnctctggaa agtatgtagc      420
tccctttcgg ancgnctctt ctggcccttt gggacgggtg tgtcattggg cggggtctg      480
tataaggggg ggac                                                         494


<210> 682
<211> 263
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 682
tgatcattca agcgntgngc gnataacgat tgctnagccc aacctttcat agggtcgttc       60
cttttgggaat nggatgtcta ttgaatggca gggatagggg cactcggcat tgcctctgg     120
tacngttttg catatatatc ctcatcgcga gcgagcgtag gggancgtta agtttgggga     180
aatgccnccg catgnccctn ccggagctta aacccccaac aatncccatt ttnaaaaaag     240
ntttnttant taaaaaaaaa aac                                              263


<210> 683
<211> 255
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 683
ctttgcccggc atgcacagac ntntttacgg acacnctact ccaagngagc ctgnanctgt      60
ctacggtcaa nctctaaggt tngncantgc cacanatggc atagtcccga gggcggtnan     120
tctggantgc tctctgcact tgaacntaaa gcgcntttca aganaggnct aatngcctgc     180
ctcttgacaa cnaacaancc cacaccnacc tangacccts tangcaagga ctggattctg     240
naaatgcaat acaca                                                      255


<210> 684
<211> 922
<212> DNA
<213> Home sapien

<220>
<221> misc_feature
<222> (1)...(922)
<223> n = A,T,C or G

<400> 684
acccttcatt tcatgtgtct ctattttcct acatcttttta catgactaag ggattaatga       60
aatcacctct tcataatcat gaccataatt tcatccaaca agtactcaag tttggtgtta     120
gcactttatt aatgcttacg aattctctct ctctccctct ttctcttttc cttagtcctt     180
gcacaataag gattctttga tgtataaatat catcttaggt aagctttcat atggtttttgg     240
caatqaagc ttatgactgt cataagacat accaagcctg tggagtatgg catgattttc     300
attacaataat ccaatgaaaa tagacttatt ttaaatccct aactttgtag ttttaatttg     360
tatttcacta tcttgaaatt aacagctagt acttatccat cacacagtc toctactgac     420
atgaagcaag ttgttgaatg cagtaganca tgaatgaaag catttaatgt tanacaaaas     480
tgggtgatac ccaagcattc tgsaattattt gcatcaagga atgggacatg tacattagtg     540
```

244

```
gcatcatttc taccaatatg tgacttgaat tgtttttta aaaaaaggan aatgantttc      600
tcaatttgct ttaaaaaatt ttnaaaaagt tcaatggcat gctgctttgt ctggacttaa      660
tttattaaca attnttaanc cttccttaag gacanaattt tggtgttcag gatcnccctg      720
aagggtctta tttttnatan nattccaaac ccaaaagtg gtttaaaatg ggagggttcc      780
ccccncnaaa atttggaccg gcttttttat atttaaaaaa nttnccnttt gnqtttgaaa      840
nctnaatacc aattaagggg gaatttttacc tnccagtggg aaaaaaaaac nctngccntt      900
naaaaaattc ccnggagnca at                                               922
```

<210> 685
<211> 531
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 685
```
tgaggctctg taaaactgtt cctctgctag gcatacttca tattctctat attaaactca       60
tctttaattg gcatggaaga ttcattgttc caaatctcag atgaagatcc tatattggat      120
gcaattaagc ctggcagcgc cctcaaaaga cagtcttgtc actgctagcc acagccagga      180
cacagtaaca gttccttcta gtgaccncag accataanaa atananatct aaagaattct      240
gactccaaag gcattagccc attcctggta ttgccaatta tgatagaaaa aattgccaag      300
ctcctgggac atggaaaatac actcagtaca tttgagaact ggagaactan tttccaaaat      360
agtatgaaga catgangggtg attgtagata tntgagtttg gagaanttga gggaaatcng      420
attacacatg tttactacaa gagatgtttna taagtaaaga aggcctgata tacaatctaa      480
cagacnantg agatasatct taantcacaa ctgacntccc ttttgggcg g                531
```

<210> 686
<211> 336
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 686
```
gggngnccttna tgagcgcgcg taatacgatc atatagggcg aattgggtac cgggccccccc      60
tcaagaacac tacaagctat gtcctcttct canagagccc tgaantttta acatattgaa      120
agtctctnatc ttgccaaaana actccactta acttcaaaac acacccctcca cacacatcat      180
gatcaactna gatcttactg aaccagaatc ctnaatggca tacttcagga acaggggtcc      240
anagcagcag ttctcaaant gcagctnaaa aagaaactga aaacccaatt catgcaaaac      300
ctagggctta tttgagagca ttttccagtg cagatt                                 336
```

<210> 687
<211> 271
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 687

```
aatctgcact ggaaaatgct ctaaaataag ccctaggtct tgcatgaatt gggtttttcag      60
tttcttttta agctgcactt tcagaactgc ttctctggac ccctgttcct gaagtatgcc      120
atttaggatt ctggttcagt aagatctcag ttaatcatga tgtgtgtgga gggtgtgttt      180
tgaagttnag tggagttctt tggcaagatc agagctttca atatgttnaa acttcagggc      240
tctctgagaa gaggacatag cttgtagtgt t                                     271
```

```
<210> 688
<211> 740
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 688
```

```
tgatgaagcg ngcgtnntac nactcactat ngggcgcgaan tatgggtacc gggncccct       60
cgaagcggcc gcccttttt tnttttttttg tgagagttta aataaaatat ttgagtttaa       120
tttaaagttt gagtttaatt aaaatatatg gcatatccca agttgggctt tgcanaaaga       180
acacttctca ggaactgtta gttggtgtac caggaactca gaagggtgct gttattaaat       240
atatttggaa aatgcatgga ttctctgaan atcnctctgc atgtgagcaa cacttacatc       300
ncaaaccaaa attggcattg catacatnaa ccaatatttc ccaaacattt ctgttatgg        360
cccaccccct ttgtgtanta cttattgctg tttttttggaa ccctggggaa attacttaaa      420
atattcagct ggaaattaca gggttactt ttaagggcac aagaattaca gtgactccca        480
aaattgcaag tgttgattac tatttaagaa cccaagaatt tgaaagaaat tttgaaaagt       540
gaaaacngga aatnttaaat gacttctcaa attttgaaaa ctcnggnaaa catctccact       600
ttggtnccct tcctttaaaa attggctaaa aattnttttnt tatnccccacc ccattggaan     660
tncccccccc ctggaacaat tggattcccc tatttcctaa aaaacggccn ccccccccgg       720
ggngaacncc nacntttttgn                                                  740
```

```
<210> 689
<211> 635
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 689
```

```
actagtccag tgtggtggaa ttccattgtg ttgggattac atatactttt agcaattttt       60
aaagaagtgt acaaagttga gatgtttcct gagctctcat atatctgana atgtcatttt      120
acatctccgt cttcacctct caaaacttct ttcaattctt tggctcttaa tagtaatcaa      180
cacttgcact ctggagtcac tgtaattctt gctccttac gctacnnct gttatttcca        240
gctgaatatt tttagttatt tcccagggtt ccaaaaaaca gcaataagta ctacacaaag      300
ggggtgggcc ataaccagaa atgtttggga aatactggct catgtatgca atgccaaat       360
tggtttgcna ttgtantgtt gctcaaatgc agagtgaatc ttcaaanaat ccctgcattt      420
tccaaatata tttaataaca gggaacctta tganttcctg gntacaccaa ctaacagtto      480
ctgaaaaatg ttctttctgc aaaaccccaac ttggggatat gccatatatt ttaattaaac     540
tcaaacttts aattaaactn caattatttt attttaaact cctcaaanaa aaaaaaaaa       600
aggggggggcc cttccaangg ggggnccggt tcccc                                635
```

```
<210> 690
<211> 3923
<212> DNA
<213> Homo sapien
```

```
<400> 690
acagaagaa tagcaagtgc cgagaagctg gcatcagaaa aacagaggg agatttgtgt      60
ggctgcagcc gagggagacc aggaagatct gcatggtggg aaggacctga tgatacagag    120
gaattacaac acatatactt agtgtttcaa tgaacaccaa gataaataag tgaagagcta   180
gtccgctgag agtctcctca gtgacacagg gctggatcac catcgacggc actttctgag   240
tactcagtgc agcaaagaaa gactacagac atctcaatgg caggggtgag aaataagaaa   300
ggctgctgac tttaccatct gaggccacac atctgctgaa atgagggatas ttaacatcac  360
tagaaacagc aagatgacaa tataatgtct aagtagtgac atgtttttgc acatttccag   420
ccctttaaa tatccacaca cacaggaagc acaaaaggaa gcacaggagt cctgggaga    480
aatgcccggc cgccatcttg ggtcatcgat gagcctgcc ctgtgcctgg tcccgcttgt   540
gagggaagga cattagaaaa tgaattgatg tgttccttaa aggatgggca ggaaaacaga  600
tcctgttgtg gatatttatt tgaacgggat tacagatttg aaatgaagtc acaaagtgag   660
cattaccaat gagaggaaas cagacgagaa aatcttgatg gcttcacaag acatgcaacc  720
aacaaaatg aatactgtga tgacatgagg cagccaagct gggggaggaga taaccacggg  780
gcagaggtc aggattctgg ccctgctgcc taaactgtgc gttcataacc aaatcattto   840
atatttctaa ccctcaaaac aaagctgttg taatatctga tctctacggt tccttctggg   900
cccacattc tccatatatc cagccacact cattttaat attagttcc cagatctgta    960
ctgtgacctt tctacactgt agaataacat tactcattct gttcaaagac ccttcgtgtt   1020
gctgcctaat atgtagctga ctgtttttcc taaggagtgt tctggcccag gggatcctgtg  1080
aacaggctgg gaagcatctc aagatctttc caggdttata cttactagaa cacagcatga  1140
tcattacgga gtgaattatc taatcaacat catcctcagt gtcttgccc atactgaaat   1200
tcattttccca cttttgtgcn cattctcaag accctcaaaat gtcattccat taatatcaca  1260
ggattaactt ttttttttas cctggaagaa ttcaatgtta catgcagcta tgggaattta   1320
attacatatt ttgttttcca gtgcaaagat gactaagtcc tttatcctc ccctttgttt   1380
gattttttt ccagtataas gttaaaatgc ttagccttgt actgaggctg tatacagcaa  1440
agcctctccc catcctctca gccttatctg tcatcacat caacocctcc catacacact   1500
aaacaaaatc taacttgtaa ttccttgasc atgtcaggaa atacattatt ccttctgcct  1560
gagaagctct tccttgtctc ttaaatctag aatgatgtaa agttttgaat aagtkgacta   1620
tcttacttca tgcaaagaag ggacacatat gagattcatc atacacatgag acagcaaata  1680
ctaaaagtgt aatttgatts taagagttta gataaatata tgaaatgcaa gagccacaga   1740
gggaatgttt atggggcacg tttgtaagcc tgggatgtga agcaaaggca gggaacctca   1800
tagtatctta tatsatatac ttcatttctc tatctctatc acaatatcca acaagatttt  1860
cacagaattc atgcagtgca aatccccaaa ggtaaccttt atccattca tggtgagtgc   1920
gctttagaat tttggcaaat catactggtc acttatctca acttttgagat gtgttttgtcc  1980
ttgtagttaa ttgaaagaaa tagggcactc ttgtgagcca cttaggggtt cactcctggc  2040
aataaagaat ttacaaagag ctactcagga ccagttgtta agagctctgt gtgtgtgtgt  2100
gtgtgtgtgt gagtgtacat gccaaagtgt gcctctctct gtgaccccat tatttcagac  2160
ttaaaacaag cctgtttttca aatggcacta tgagctgcca atgatgtatc aocaccatat  2220
ctccttattc tccagtaaat gtgataataa tgtcatctgt taacatamaa aaagtttgac   2280
ttcacaaaag cagctggaaa tggacacaca caatatgcat aaatctaact cctaccctca  2340
gctacaact gcttgacata tattgttaga agcacctcgc atttgtgggt tctcttaagc  2400
aaaatacttg cattagtgct cagctggggc tgtgcatcag gcggtttgag aaatattcaa  2460
ttctcagcag aagccagaat ttgaattccc tcatcttta ggaatcattt accaggtttg   2520
gagaggattc agacagctca ggtgcttca ctaatgtctc tgaacttctg tccctctttg   2580
tgttcatgga tagtccaata aataatgtta tctttgaact gatgctcata ggagagaata   2640
taagaactct gagtgatatc aacattaggg attcaaagaa atattagatt taagctcaca   2700
ctggtcaaaa ggaaccaaga tacaaagaac tctgagctgt catcgtccce atctctgtga   2760
gccacaacca acagcaggac ccaacgcatg tctgagatcc ttaaatcaag gaaaccagtg   2820
tcatgagttg aattctccta ttatggatgc tagcttctgg ccatctctgg ctctcctctt  2880
gacacatatt agcttctagc cttgcttcc acgacttttta tcttttctcc aacacatcgc   2940
ttaccaatcc tctctctgct ctgttgcttt ggacttcccc acaagacatt caacgacttct  3000
caagtctttt cttccatccc cacacactaac ctgaatgcct agacccttat ttttattaat  3060
ttccaataga tgctgcctat gggctatatt gcttagatg aacattagat atttaaagct   3120
caagaggttc aaaatccaac tcattatatt ctctttcttt caacctcctg ctcctctccc  3180
tatattactg attgcactga acagcatgut ccccaatgta gcoatgcaaa tgagaaaccc   3240
agtggctcct tgtgtgtacat gcatgcaaga ctgctgaagc cagaaggatg actgattacg   3300
cctcatgggt ggagggggacc actcctgggc cttcgtgatt gtcaggagca agacctgaga  3360
```

```
tgctccctgc cttcagtgtc ctctgcatct cccctttcta atgaagatcc atagaatttg    3420
ctacatttga gaattccaat taggaactca catgtttat ctgccctatc aatttttaa     3480
acttgctgaa aattaagttt tttcaaaatc tgtccttgta aattactttt tcttacagtg    3540
tcttggcata ctatatcaac tttgattctt tgttacaact tttcttactc ttttatcacc    3600
aaagtggctt ttattctctt tattattatt attttctttt actactatat tacgttgtta    3660
ttattttgtt ctctatagta tcaatttatt tgatttagtt tcaatttatt tttattgctg    3720
acttttaaaa taagtgattc gggggtggg agaacagggg agggagagca ttaggacaaa    3780
tacctaatgc atgtgggact taaaacctag atgatgggtt gataggtgca gcaaaccact    3840
atggcacaag tatacctgtg taacaaacct acacattctg cacatgtatc ccagaacgta    3900
aagtaaaatt taaaaaaaag tga                                           3923
```

```
<210> 691
<211> 882
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(882)
<223> n = A,T,C or G

<400> 691
ttactcacta tagggctcga gcggccgctg aattctgctg cagtgagctg tgattatgtc     60
cctgcactcc agcctggatg acagaacacg atcatttctc taaagacaaa caaaaacat     120
aaaataaaac tagtataagg atagaagccc agggttgatt taagtctgcg gaaatcataa    180
accatagqtc agacttctca ttgatgaggt acttgtgggt tagaatacaa ttaggtatat    240
ttggtctaga aaccaggatg gaattagaga ataaaagact gagcaatagc atgttatagt    300
attagaaata ctatagaaat aggaaaagcc ctgattatga cttttggagtt ctgatccaac    360
atctgggatt atttdgatat tttaaaggaa aacgatgact tttagctctc aggatgttag    420
tttcctcaac cataaaatga agagcctcga aaagatttcg tttaccagat tatttctgaa    480
gtcaattcca gttctaaaat tccatctcactg agcactaagg caaattgaat tgaataaagt    540
attgggnatg cataaaatac tctattttta aaaangaata gtaattatcc attggnaaca    600
gacgcantca tccagncato tcctaccotg nccoatgncn tatgtagana tgtanctcta    660
atccottaac aaaccgattt tgcaaaggag cttanccttc gggtacttgg tcanggcaac    720
tggtctactt tnaagactca tcttcactta ctgggcaaca aatncctacc attgcatcaa    780
actggggttc ccatncaagg caaaccctgn gaaatcttta atcccgaaat tggcgcccaa    840
ttttgngggg tttccnaaaa gaatcntccc ccccgagggg cc                       882
```

```
<210> 692
<211> 235
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 692
cggcactngt aagncacgca agngagctgn aantccgctn agcncggatc cactagtcca     60
ttgatggtaa aagggtagct tactggnatg tccgnctgct ccanganata atacncagga    120
cttctcanag cacttaatat gttaatataa aactncgnga aaaaagatnt tcnatgaaanc    180
nttcctctta ggaggtcagg ngagaatagt gttaatgnca ttaagganag aacga         235
```

```
<210> 693
<211> 383
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 693
nttatgtaag aaatgtcata tatcttttat tttctttaaa tcaaaataaa tatgactttg      60
agcatcccat cccatgcccc atcctatcag aatggtagga acatcaacac aaataattag     120
taatgcacog catotacatt cccatgctct ctttacttct tcagcattgc ctaaaggcat     180
aatacacctt taattaatta attcagcctc ctaatgcaca ttaacaaagc ccctgctaga     240
ctctgtccat aatggnaaac ctgnatgatc cttgatatta acantttaag gaatgctcat     300
ggattggttn cegacttaaa aaattgaggg ggctgaanaa aatctaangg anaaatcatg     360
gaagcatttg cacatattac ata                                             383

<210> 694
<211> 204
<212> DNA
<213> Homo sapien

<400> 694
tctcttggct ggtcagcctg aaaggtggta atgactcacc aacgctacta atccttcttc      60
actgtccctt attttttttcc ctcccaggct cataactcga ggttcaactc tcttttatac     120
aagaaccctg tctgatgaag catcatttca gaattttaag tcaacttaca aatgtggtat     180
tattcacatc tgagtacaaa ttta                                            204

<210> 695
<211> 670
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 695
gcaccagccc aggtgctgtt tcttcacttg agctccatga ccctccctgt gtggtgggtt      60
gaacggtgac ctccaaaaga tatgtccacc tggaacctca gaataagatc ttatttggaa     120
tagtctttgt agatgtcagt aaggtaaaga tttggagatg agaccctcct ggattagggt     180
aggccctagg tccactggca ggtcgtgcttc tcagggtctg aaagggggaag acagggccac     240
ccagagaggg agacggagg agagacaggg ccacccagag gaggagacgg aggcaggagac     300
agggccaccc agaggaggag acggaggcag agacaggggc cacccanagg aggagacgga     360
ggcagagaca gggccaccca gaggaggaga cggaggcaga gacagggcca cccaaaggag     420
gagacggagg cagaaacacg gccccccaa agasgaaacc ggagccaaaa aacaggccca     480
cccanaggag gagacggagg canaaacag gccacccaaa aggaggagac ggaggcaaaa     540
caggccacc caaaaggagg aagcggaaag gaaaaaacag ggccccccca aaggaggaag     600
acggagggcn aaaaaaggg cccccccaa agngagaaaa ccnggnaggc nanaaaaccn     660
gggccccnnc                                                            670

<210> 696
<211> 317
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(317)
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<223> n = A,T,C or G

<400> 696
tgacccgttn tttctgcaaa ggagagtggg gaaggagggn tgggaagaca aaagttacat      60
gttagcaggg aagagaacag aattttatcc acccttatct ctttagtgag tgaacaaaca     120
gcccactgtc atcgtggata catttcactt ttttcacatg actaaggagc tctccggagt     180
gaagagtgag taaatatgtt tattacgcat tcatttgcta agaatcatca agaaccoaaa     240
gttagagacg tttcgtggtt gaactttctc cctactgtct agtagaatta tatgggggatt     300
ctggatctgc tggtgcc                                                   317

<210> 697
<211> 246
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 697
ctncagctct aatcgactnc tatnaggnat gatggcncgt gcngcgcgta cgtantgctt      60
ggatcctcnn anagcggacg cctactacta ctaaattcgc ggncgcgttg actttttttg     120
tttttttcct tsacagagnt nttttttgtgc ccttggttct tatgctcana ctcngcaaaa     180
aanatcaaaa gntacnnatg aaaaacntat nccatctncn naaagagagt gnagntatta     240
ctttct                                                               246

<210> 698
<211> 3674
<212> DNA
<213> Homo sapien

<400> 698
agaaagtttc gtttttttt tttaatggtg aaaagtatata cacatattta gaattagcca      60
gctgggctca gtttagatta ttcoaatttt gttggoaaca tccagagcat cgtaatcagg     120
agcoagtgaa acatattcct tcttctctcc atcaggcgaa atcacggtgt tgaccttggc     180
cacatcaatg tcttagaact tcttcacagc ctgtttgatc tggtgcttgt tggctttaac     240
atccacaatg aacacaagtg tgttgttgtc ttctatcttc ttcgtggtga ctcagtggtc     300
agcggaaact tgatgatagc gtagtggtca agcttgtatc tcctgggagc gctcttccaa     360
agatatttgg gctgcctcgg gagttgcagc gtcttgggcc gccggaaggt gggtgacgta     420
cggatcttct tttttgtgt ggcgtgtggac acctttcaac actgtcttct tggccttaa     480
atccttcgct ttggtttcgg ctataggagg ggcaggagct tccttcttca cttccggcgc     540
catcttgtga aaaggggaag tttccttttct aataccattt tcacttctcc cgaatttgt     600
ggatcgtttc ttggtatcta ccccagattt caggagtgtt ggctggatct tagggattgt     660
gaagtcttca ttccctgtg gtgsgatctg aggcatgatt ttaaacagtg tgagggaagg     720
agatctccag gcactttaat agaatggaga gatttgagag gatttgactt aaaatctgat     780
tttgaaaaa ggagaactag agttggagttc gtaattaact agcaccttsa aggtcattca     840
gcatgcccat ctgcacagtg ggtgtaatca ccctacagaa caaaaacaaa aagcagtgg     900
agaggaagct gtaaagcact gtacatgttt aactcattgt tatgtaagct agccgaaggc     960
ttcacagact tgaattcatc tcccaagttc tcttcctgta ctggaaactc tgccttaggt    1020
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gcatccctta gacaggcoct ttgaatctct gggaaagaca ttgaacttac agtacagtgg    1260
aaaagaaga aatgtgatat gtatagcgtg cagtgagttg gagttttacc tgtattgttt    1320
taatttcaac aagcrtgagg actagccaca aatgtaccca gtttacaaat ggagaacgac    1380
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ttatgtctga tgaacttagc ctatgctctt taaacttctg aatgctgacc attgaggata    1500

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tctaaactta gatcaattgc attttccctc caagactatt tacttatcaa tacaataata   1560
ccacctttac caatctattg ttttgatacg agactcaaat atgccagata tatgtaaaag   1620
caacctacaa gctctctaat catgctcacc taaaaggttc ccgggatcta ataggctcaa   1680
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gcttttttaag gattgggggga caggtgaaga acggggtgcc agaatgcatc ctcctactaa   1860
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cctgtaatct cascattgga aggccaaggc aggaggattg cttcagccca ggagttcaag   1980
accagcctgg gcaacatgga aagaccccat ctctcaatca atcaatcaat gccctgtctt   2040
tgaaaataaa actctttaag aaaggtttaa tgggcaaggt gtggtagctc atgcctataa   2100
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ctgggcaaca agtgacacct catctcaaatt ttttaataaa atgaatacat acataaggaa   2220
agataaaaag aaaagtttaa tgaaagaata cagtataaaa caaatctctt ggacctaaaa   2280
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cagctgctca ggtggctgca aatcattaca gccttcatcc tgggyaggaa ctggggggcct   3360
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cttgggagc cagccctggg gtgagttggc tcctgctgtg gtactgagac aatattgtca   3540
taaattcaat gcgccccttgt atcccttttt ctttttttatc tgtctacatc tataatcact   3600
atgcatacta gtctttgtta gtgtttctat tcmacttaat agagatatgt tatacttaaa   3660
aaaaaacaaaa aaaa                                                       3674
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<210> 699
<211> 2051
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(2051)
<223> n = A,T,C or G

<400> 699

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tggatccaac gactcagcat ccaaggtccc ctccaggaat cctggcagct cagcatactt     180
tatcctgttt catctgagag caaaaatgta aaattggatg cacagaaaag tgactcaaag     240
tgcttaatgs ctagaagaaa tctaggagca gcaagaagag caggacaaac aggccaggcg     300
gtgtcaggag cccaggtctc cagctggang gaacgtcaac cctgcagtgg gagcaggggc     360
cctttgcaca tcctaggcac agatggtaat gtagacacca caggtaagct gggcttggta     420
cctacccctc ccggattca gaaagaaacc aaacaaggag ctttgtgtgg aatgaaacct     480
cctttcctcc cagaagcaact gctgactgtt tggtggttgc catttgtggc agtgagccct    540
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```
tgtttgttct gaggttgggc tggtttctcc tcttggccct gccctacaga tcataaagga      600
gaacagcaag acgtccccag caaacatcca cagatggcct tggaaataag tcaccttcct      660
caccctgcag gaatgccagt gaacatattg ctgacatctt ggagctcagt acctcatagt      720
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cgatgctttgt gcaggggctg tgacttggtg cacaacttca gacaccatca tcttgcagca      840
gcaccgcacc ctcactagcc agggtgttga tgacttcctc aaggacaagg ccacattcaa      900
ggcttcggac ttcattgatg cgcttgtgct gagcaaggtg gcttctccgg gatcttaatt      960
caggaggtag aatggagctt gagatcaagt gtctgatcaa gcctcagtgt atgggggctg     1020
ttcatcctct ggtgctgaag cagccaagag acccaagtgt gcctggctgc ctcttaggat     1080
atgacagcag agccagtggc ctctactaga tcttgtacaa cctcacaaaa cacccagaca     1140
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tcccaatatt tagacctata gcaagccctt gggagaaatg gtggtgcagc aggagagcag     1500
gaacctaacc attgccatcc taaggccctc cattgtgtgg agcaacgtgg caccagcttt     1560
tcctggggttg ggttgataat ctaaatggat gtagccgact cattattgcg gtatgtatag     1620
ggatgaagaa gtaactgtaa tgtagtggag gaatagtaag aaaattctta gtgctggctt     1680
agcttaattg atccaaaaac ataaatgota ctttactatc attgaagca tattattca     1740
attattctgt ttataatatg gaggcaggat gaaattgttt ttattctttt agaatttttt     1800
tttatcagga aaacagaggt aaagtgctat caattactat ttaagagttc tatttgaaa     1860
agtgagaatt aaggatttt cttttctttt taaaaaaaac tttttaaaa attaaaaata     1920
aaagaagcaa aagtcttagg aaaatgaagc aagtagccct gccactctat gtacagtaat     1980
aacaatatct gtcccagtta ttatgtacaa tattataaaa aatgtcgcag acagtaaaaa     2040
aaaaaaaaa a                                                          2051
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<210> 709
<211> 2841
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(2841)
<223> n = A,T,C or G

<400> 709
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gcagagcaca gcatagctgc tttaccaaat catggccaga ctgcttctgt aagcaggccc       60
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cagcatccct tggccaatgg aaatttgaaa tgttcctggg acagagctcc tggagagagg      180
ggcaggccac cacctttgct gtttgggtga ctagccgttc tggcctgcag gctttggaga      240
gcccaagctg acaaggggta gaagagctgc ctcagcacag cacagccacg ctacgaaaac      300
atggccagac tcttgtttaa gtcagtcccc gaacacattt ctagtcagtg ggtgaagtct      360
ttcaaccagg gtctctggct acctgactg ctgttctctg gccgacagag gtctcaggcc      420
tccctgagtc agagctcccg gggggaggac caggtgtca tctttgctgt ttgggtgacc      480
cagccatttc agccttaggg cttcagagtg tctgaggtag ccaggggctg aagtgaaccc      540
ccagcacagc acagctgctg tataaaaacg tggcagact tttttcttaa gcaagggggt      600
gttcttattc ctcctgacta ggtaagactt ctcaacttgc ctccagccac atcttattgg      660
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aggctatcat cttccctgga aaatacgagt caattaggga cttgagggga ccccagcat      780
tccacagcag ccctccagaa aagtggccag actctgtact tgatgggcag ggtttggaga      840
cctgtgtctc tagocagcca accactggag ctatcagcc agtagcaact cagcagttcc      900
ttggacagag cttccaggag caaatgaaat cctttctgcc actgcctttg ggtgaactg      960
cccttgctat cctcagaaga tatatcacgg gagcaaagac cctaagtgcc atatcaacac     1020
ctccaataag ctgcagttga cccaaagaac aacaacatc atctcccaca ggttcaacac     1080
acactccact actcatcacc agacaggga cctggcttg ggccacagc acagacctc     1140
catcctgggc cgattacact gagtgattgc taactcacat gtctctggga tggagcaccc     1200
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252

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aggagacaag caaagtggtg gagcagcaag tcaggtgatg tggagcccag agggcaggga   1260
gagctatctc tctgggctcc acttgccctt gtgagacact ttgtccagc actcttagt    1320
ctgcttgcct ctcccagggc cccagcctgg ccacacctgc ttacagggca ctctcagatg   1380
cccataccat agtttctgtg ctagtggacc gtacocatac agtggagagc tggcagcttg   1440
tggcccntac ggccacgcac cagcctgcac attacctctc catactgcag ccctttatat   1500
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agaaatttca gcccataatt tcatgtccag caaattagg catcataagt gaaggagaaa   1680
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aatgcagtga agaacgcagt gaattacgca gtccagtgat gctaaaaacc aaccacatac   1860
gttaagtctg caaaataacc agctgacagc atgacgacag gataaatcca cacataccat   1920
tactaacctt aaatgaaaat gggctaaatg ctcccattga aagacatggg gcaagctgga   1980
taaagaacca agacccactg gagtatgctg tcttcaagaa acccatctca catatgcatag   2040
catacatagg ctcaaaataa aggaatggag aaaaatattt caagcaaatg gaaaacagaa   2100
aaaagcaggt gttgcactcc tactttctga caaaacagac tatgcgaata aagataaaaa   2160
agagaaggac attacaaagg tggtcctgac ctttgtatata tctcattgct tgatsccaac   2220
ctgggctgtt ttaattgccc aaaaccaata ggataatttg ctgagqttgt ggagcttctc   2280
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ttcgaaattg tgggggagcaa ggcatctgaa atggctaaaa ctcctgtggc tgcaaaaaat   2820
agaaataaaa aaaaaaaaa a                                              2841
```

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<210> 701
<211> 3228
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(3228)
<223> n = A,T,C or G

<400> 701
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atagggagac ccaagctggc tagcgtttaa acttaagctt ggtaccgagc tcggatccac   180
tagtccaagtg tggtggaatt ccattgtgtt gggcaggaaa caagcaaagt ggtggagcag   240
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ccttgtgaga cacttttatc cagcacttta ggattactga ggtcatacca gccacatctt   360
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gctgaggga tttggtatca ccagatctac cttacgagag ctcctgaagg aagcactaaa   1020
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gagtgagaaa gcttacccaa tgcctgtacc atcatcgtac cttaaaagaa ctccatttta   1860
agttcaggga ctccttggca gaagagaccg tagccttgta tcagatcata aaggaagaga   1920
gcaagaagtc cccggcaaac atccacagat ggccttggaa ataagtcacc ttgctcaacc   1980
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aagagagatt ttcacagaaa cagatatata cctgtaagta tacagacang catacacaca   2940
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tttttnttta gaattttcca ttattaatgt tattttatg agaaactata taacttttatt   3120
gataatacat acaataaccc tttgttttttc aaattgaaaa tacagtgtat tttgcaaata   3180
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<210> 702
<211> 4894
<212> DNA
<213> Homo sapiens

<400> 702
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ggcaccaaag ggctggcaga aatgggcgc tggctgattc ctaggcagtt ggcggcagca   180
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<210> 706
<211> 123
<212> PRT
<213> Homo sapiens

<400> 706
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Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu Val Phe
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Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg Ala Val
              20                      25                      30

Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala Thr Cys
         35                      40                      45

Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu Thr Gly
      50                      55                      60

Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala Ser Leu
65                      70                      75                      80

Tyr His Arg Glu Lys Gln Val Leu Ile Gly Gln Trp Val Glu Gly Gly
                  85                      90                      95

Trp Glu Gly Trp Ser Gly Phe Leu Gly Gly Gln Leu Ala Gln Asn Leu
              100                     105                     110
```

```
Val Ser Gly Lys Gln Leu Trp Arg Met Leu Leu
        115                 120


<210> 707
<211> 150
<212> PRT
<213> Homo sapiens

<400> 707
Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
                5                   10                  15
Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
            20                  25                  30
Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
        35                  40                  45
Glu Glu Lys Phe Met Thr Met Val Leu Gly Glu Ser Leu His Pro Pro
    50                  55                  60
Ser Phe Leu Phe Gln Ile His Ala Thr Trp His Val Gly Gln Glu Tyr
65                  70                  75                  80
Leu Cys Pro Gly Ser Cys Leu Glu Gly Gly Val Val Cys Trp Glu Gly
                85                  90                  95
Ile Ala Gly Gln Glu Gly Asp Pro Gly Leu Arg Gly His Thr Lys Arg
            100                 105                 110
Lys Lys Arg Ile Pro Arg Thr Tyr Pro Ser His Leu Trp Ile Pro Gly
        115                 120                 125
Pro Ala Gln Ser Leu Ala His Arg Arg His Trp Arg Asn Ala Pro Asn
    130                 135                 140
Leu Trp Leu Ala Leu Leu
145                 150


<210> 708
<211> 371
<212> PRT
<213> Homo sapiens

<400> 708
Met Leu Phe Pro Ser Phe Ser Arg Ser Leu Val Pro Leu Pro Leu Ala
                5                   10                  15
Leu Tyr Leu Ser Gln Pro Leu Thr His Thr Thr Ser Leu Leu Ala Gly
            20                  25                  30
Ile Gly Pro Val Leu Gly Leu Val Cys Val Pro Leu Leu Gly Ser Ala
        35                  40                  45
Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
    50                  55                  60
Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
65                  70                  75                  80
Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu
                85                  90                  95
Ala Leu Leu Ile Leu Gly Val Gly Leu Leu Asp Phe Cys Gly Gln Val
            100                 105                 110
Cys Phe Thr Pro Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro
        115                 120                 125
Asp His Cys Arg Gln Ala Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu
    130                 135                 140
Gly Gly Cys Leu Gly Tyr Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser
145                 150                 155                 160
Ala Leu Ala Pro Tyr Leu Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu
                165                 170                 175
```

```
Leu Thr Leu Ile Phe Leu Thr Cys Val Ala Ala Thr Leu Leu Val Ala
            180                     185                     190
Glu Glu Ala Ala Leu Gly Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala
            195                     200                     205
Pro Ser Leu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe
    210                     215                     220
Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Gln Leu Cys Cys Arg
225                     230                     235                     240
Met Pro Arg Thr Leu Arg Arg Leu Phe Val Ala Glu Leu Cys Ser Trp
                    245                     250                     255
Met Ala Leu Met Thr Phe Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu
            260                     265                     270
Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr Gln Ala Arg
            275                     280                     285
Arg His Tyr Asp Glu Gly Lys Ala Leu Ala Ala Ser Arg Gly Trp Cys
    290                     295                     300
Gly Ser Arg Pro Pro Glu Thr Thr Leu Gly Ala Val Ser Gly Leu Val
305                     310                     315                     320
Pro Leu His Pro Gly Pro Asp Phe Ser Val Arg Lys Val Gly Met Asp
                    325                     330                     335
Pro Ile Cys Ile His Gly Phe Ser Trp Val Trp Asn Ile Ser Ala Cys
            340                     345                     350
Gly Phe Arg Lys Ala Ser Gly Cys Ser Arg Ser Leu Ile Arg Val Val
            355                     360                     365
Ala Pro Val
    370


<210> 709
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(141)
<223> n=A,T,C or G

<400> 709
tacggcgtgg tgcggagggc ggtacccgac aaataacacn nacaccccat cctatctgtg    60
tccacanata aantgactca ttcctctcct cgcatanccc actntcccct ngcgataccg    120
taacnaancc cttccccctt t                                              141

<210> 710
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(196)
<223> n=A,T,C or G

<400> 710
cnatccttcn cntacacccca tgangtccat gtcgcacgtc cacctcccct caaaacttgg    60
gtccncatcc accngtcact ctccccntaa ncnataaccc cttttngcga atagacccca    120
ccttancaat nggtctttcn ttttttgtcc ctngnnccgn gcgattcaan aaattgaagg    180
cccanaaaaa cccccct                                                   196
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<210> 711
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(177)
<223> n=A,T,C or G

<400> 711
atacntcnct ccnaatgaaa ttcgaanctc ggttaccogg gggnattccg attaggngcg 60
tantctcgga tgtgcagtca caagtctttt gctaatnctt ataattntcn ctacccttc 120
ttcnacaata ctgctatcct anttnttctn tcncctctct cccannttac taaccac    177

<210> 712
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n=A,T,C or G

<400> 712
aaacgnacca nngccaacga tangtgttgg agttggttgc ggttgttcct cttatntgca 60
ctggttgtcc gtgtcgcacg ganggccacg tccctctgnc ntgagtanca catagcatcc 120
acgtttagtc gactntnccg ggcggccgct ctacncntnt atngattctt attaaaantc 180
ggatc                                                             185

<210> 713
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(172)
<223> n=A,T,C or G

<400> 713
nntgctcgcc tgncgtnts ctctaaagga tntactatnc atatggantc naanacgact 60
cactacacgg cnctctncgg agccnnggtc agtgcttnct nggagacctt ctctgggca 120
ggangagcac tnggtatgtt cacgtatcnc ttcntaaana tacnncctc cg          172

<210> 714
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(714)
<223> n=A,T,C or G

<400> 714
nttgcgtgcc tggacgtnts ctctgcanga tctactactc atgngaattc taantacgga 60
```

ctcactatnc ggcancgcag gcgcagcagg gaangggtca cctcccagtc tc          112

<210> 715
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n=A,T,C or G

<400> 715
tactctanag gatctncgng tcatntggat tctatntcga ctcactctag ggctcnagcn   60
gtcngccggg caagttattc ggatcgtcgg gntccggagct tcgcaattaa ntgtgccatc  120
gttctncaac gttcctgact nggaancccc ngcngttcng atccncnggt acctagctcc  180
annteccccg tnctccttct ggngtntcat naangaggac cnccctcgat cncccttcct  240
taatctgcnc acnctgaacg nccaatggac atngtgcgtt taatntannn ggcccgnttc  300
gngtgccctt cccgtnannt cagctc                                      326

<210> 716
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(122)
<223> n=A,T,C or G

<400> 716
nntgcgtcgc ctgngcgtnt actctagatg atctgantag tcatatggat tctaatacga   60
ctcannatag ggctctagcg nggatncnga ttcgtcntcc ngattcantg acnccggtan  120
ca                                                                122

<210> 717
<211> 203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(203)
<223> n=A,T,C or G

<400> 717
cntgcatgcc tgcaggtcga ctctagagga tctactagtc atatggatcg agcggccgcc   60
cgggcaggtg tnaatgataa anatgcatca tactanccts cagaanggag agataatgtt  120
ngntcgaacca ngttggtttt cttgcgtgtg tgtggcagta gtaagttatt agttttttana  180
atcantacncg ccctccgcac cac                                        203

<210> 718
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

264

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<222> (1)...(169)
<223> n=A,T,C or G

<400> 718
ggcaggapga tcncttgagc cccngaggtc gaggctacag tgagccanga gtgcaactact 60
gtnncgccct ccgcatncac gngtggtccg atcccgggt accganctng anttcactgg 120
anttcttttt aancgtnttg antggtacna ccctcgantc cctggctg        169

<210> 719
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(210)
<223> n=A,T,C or G

<400> 719
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agenatnteg gncgcttcat tantcatcct tcttaoccan atctctngat nencagtntg 180
anentgaacg cacactacng gatntctcca        210

<210> 720
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> n=A,T,C or G

<400> 720
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cgnaanctta ggggctcact gcgagccacc ggccacaggt cgtatagggc aaagcacgng 120
gaagcacccc t        131

<210> 721
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> n=A,T,C or G

<400> 721
tccatcctaa tacgactcac tatagggccg atgantnctg gcgaaaggct tacaattaag 60
aaggaaaaan ganccaacaa ctaaaaaaaa nncggncgtg hcagcttnga tgactngtcc 120
a        121

<210> 722
<211> 246
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(246)
<233> n=A,T,C or G

<400> 722
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gnttcntcga tctgaannac actaatccca tgtngtntgn gtctccgtga ttcatccctc   120
gcacnggtcc ccntccnaac cnttgcatag gtgttatgtt gtantctccc cagtgcacaa   180
agattnacac tctctcantg tctganatat gcacgagttc attgtcctgt cnccgtnaac   240
atcaag                                                          246

<210> 723
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(160)
<233> n=A,T,C or G

<400> 723
cctccggaaa atccaantag agtaantncn ctctaatccg gggnaattgg ngggtnnat   60
acgtcctcct cccccnagnt aggattnana aaaggnctcc cagancaaaa nctccaaagt   120
gnatcnanta gccgtncccg anatncaacg cccctacgtc                      160

<210> 724
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(156)
<233> n=A,T,C or G

<400> 724
tnanccnata tacaccaaat tctgattctg aantcncacc caagggaaa aagttgagaa   60
gagccttttcc antttctac taatasaaaa atgcaccagc ccctaccann agtgnggaaa   120
acctccttag gccttgnnt ggaacaancg aaaatc                          156

<210> 725
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<233> n=A,T,C or G

<400> 725
aganggtttnt atncatgctg tactcgcgcg cctgcagtcg acactagtgg atccaaagaa   60
ttcggcacga gagaccgtgc gcgatggacc gaggggccca gccggngagg cgcgccgcc   120
gagcccgcggg ncagacgccc catcagtagc gtccgcaccg ggnagccgcg gntctcgccc   180
gagccgtggg cgcgcccgag gggcgggctc gcctccccgcc gtccctcgca gctctgccgg   248

266

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gcccgagccc gcgccgtcgc cgccgccgac ttgccgctcg gaccgcgcgg accggnaaac 300
gcggtcgagg tctggatgng gcanngcccg cncctntcgc tgagcct             347
```

<210> 726
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(162)
<223> n=A,T,C or G

<400> 726
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ttgggtgggt tgggtggggg naaatttncc catttgggtg ggtttggggg ggnaaatact 60
tcccgccttt tnggtnccca aaganacnaa gggggagtcc cttnatagag gnagngcgat 120
ncntcncaac nacntngact ttgnccatgg ggagnaaggt gg             162
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<210> 727
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(120)
<223> n=A,T,C or G

<400> 727
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gtgtgggtgg ggaattccat tgtggttggg ggnaaatctc cgcttgtcca aagnacaggg 60
gggtcnctt anagngnagg gggttcctcc ccaccacttg ncttgnccat tgngagnaag 120
```

<210> 728
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> n=A,T,C or G

<400> 728
```
gacccactgc agcgtttnaac ttagcttgga ccgagctcgg atccctagtc cgtgtggtgg 60
aattccatgt gtcgagagag gggcaaatac nctccaanac ancncctca tgctcnacac 120
atattcgcat                                                  130
```

<210> 729
<211> 182
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(182)
<223> n=A,T,C or G

<400> 729

267

```
cngactgcta gcgtttaaac ttaagcnagg tacoggaacgg ggatnnacga ctantgatcg 60
gctgcctgct tccagtcgat tanatttgtg aaaaagctga accnongcca gttaaggggg 120
annatgcaaa anatncatcc nnctgcccn taaactgntc tatccnagag aaaaaangga 180
ag                                                             182

<210> 730
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> n=A,T,C or G

<400> 730
cactcncact ccggacctag gcncttcacc actgctctct tcctcctcct cctcctcntc 60
ctcgggggctg ggggaccttc cccagtgacc atctcacttt ggctgaancc cactcggggc 120
agcctgagtt tggggctctt ggccttctca ccctcctcgg cccctcctt ggccgcacc 180
aggccaaacc ggggcagccg taccttgagc ttgtgtaccgg cctctccctc ccctctgcc 240
acctggtact cggcatggtt gcccccggga tggcgagagc tcaacgtcgg gcagtgagaa 300
gcagaaagta cgctcggccc ctgggggctg ctcctcagca ccctcgcccc cacccctgac 360
tctggcccc agtgtgggca acttcagcct cagccaccc tcgcctgtgg cagcctcgcc 420
cgcctgtgcc tctcggctta gcccccgtc caactcaagc tggggcgctg tcacggtggg 480
catcttaaag acacctcac ccaccagcag ctcaccacct gcaacctggg ctccaggcaa 540
aaaaagggtc aactggggca nctgaaccct gtacctgctg tgccctctgc tgaanggaat 600
gttatctgaa cctgctgccc tggggtact gccttcccaa aacccgggtca antccacctg 660
ttggaaggna aatnccc                                             678

<210> 731
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(135)
<223> n=A,T,C or G

<400> 731
gagatccgac gtcacccct tcggggcc caagacgctg caactcccga ggcngcccaa 60
atatctttgg aagagcgctc ccagcccaac acsatggaat tccacncac tggnntagtg 120
gatccgagct aagcc                                               135

<210> 732
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(660)
<223> n=A,T,C or G

<400> 732
gcttggtacc gagctnggat ccctagtaac ggccgcacagt gtgctgaat tcggctttct 60
tcaatcagnt nacgagctgc atgtgtgct aacattgtca taattgctgg catagattac 120
tgaaaataaa gaaaaaaaat tgaagctgcc tatcaagttt tggtattatc aaaaacttcc 180
```

```
tacaagttat tttacttcaa ccatgttatt acaaatattt taatgaatac tttagagact 240
ttaattacaa aaaactgaga tagtaaaagc aagtaataaa agctgaaatt acttagctat 300
ttgataatta cataaattat tatggtccat tccacttttc tagtgtttag tttatacacc 360
aggaagactt tcctattcta ctaacattta taaagtatgc taaccattaaa taaacgca 420
tccactatta ggattttatg gcctaaaacg tgatacagtt cagtatcttg atgtcaaaac 480
tttttaagca agtagggatt aagttcaagt gaatgtgatt ttcttttctc ccagtagggt 540
cttctgaata actcagnaaa gctcacttcc attatcttac tttataaaaa aatgctataa 600
gacagaaatgg gcgagacgtgg nggctccacc tgtatccacc tttggaggcg agnggcgaat 660

<210> 733
<211> 836
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(836)
<223> n=A,T,C or G

<400> 733
aattaatgac tttttttccg ccctgccaag ctagtttgtc taaatataat gtaaagaaat 60
tagctactca ttttctggtc cacgaaggtt cctaaaatgg gaagaagtgg agatctgacc 120
ttgttagttc taaatacact aaactgggag tgccatggat ggctttcagg atgtcctgaa 180
tcctctataa ttgtatacaa aatcgtgagt ttttaaaaac tgggttagag ctattggttc 240
ctcagagtct caggcoattt agacccccaa aaaggttaag gactactgac ttaaccaatt 300
aggtttgagt ggcattggct ttgaagaaaa gcagaggaaa gatatatttt ataattctgg 360
gcaacaaaaa agtggatgtg tgccagcatc ttagagtaga atcctcttaa aaggatagca 420
ctgcatatga actagtaggt tttaaccagt gcatatttag gcgaagtagc tcattttttct 480
gttagaattc ttttttattt gggaatgggc aagctttac agctttttacc ttgccaatga 540
atacctggaa tttaaaaaat cttgttaggc atattgccca taaagttttt tttcctgaat 600
catatattca gtaaatatgt ttgtagcttt atttcaatcc cccaattcat tgagggttga 660
aacaatttga atggtttgag tgtagaagat aagttatttc tgtagaggat aagggcattt 720
ataccaanat atgttagact tgnggntcct gttaaccatg ctgtanacaa taggaattac 780
tgtatatcca cattttaatt ttaacatctt ctgctttgnt gntggtttga gangga 836

<210> 734
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n=A,T,C or G

<400> 734
nagtnctatt tncnctaaac tgngagtgcc ttggatggct ttcaggatgt cctgaatcct 60
ctataattgt atacaaaatc gtgagttttt aaaaactggg ttagagtctat tggttcctca 120
gagtctcagg catcttagac cccaaaaaag gttaaggact actgacttaa ccaattaggt 180
ttgagtggca ttggctttga agaaaagcag aggaaagata tattttataa ttctgggcaa 240
caaaaaagtg gatgtgtgcc agcatcttag agtagaatcc tcttaaaagg atagcactgc 300
atatgaacta gtaggtttta accagtgcat atttaggcga agtagctcat ttttctgtta 360
gaattctttt ttatttggga atgggcaagc ttttacagct tttacctgcc caatgaatac 420
ctggaattta aaaatcttg ttaggcatat tgcccataaa gttttttttc ctagatcata 480
tattcagtaa atatgtttgt agcttttattt caatccccca attcattgag ggttgaaaca 540
atttgaatgg tttgagtgta gaagctaagt tatttctgta gaggctaagg gcatttatac 600
caagatatgt tagacttgtg gttcctgtta accattgctg tagacaatag gaattactgt 660
atatcccacat tttaattttt aacatcattc tgtc 694
```

269

```
<210> 735
<211> 126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(126)
<223> n=A,T,C or G

<400> 735
ncnttgaaac nggttgacca gacttcaggc ctgtgcgctc aatcgtggag aatctcgtgc   60
cgaattcggc acgagtctct ctctctctct ctctctctct ctctctctct ntctctctct  120
ctctct                                                            126


<210> 736
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(165)
<223> n=A,T,C or G

<400> 736
cagaagcctt taaaccggtt ngaccagact tcaggcctgt gcgctcaatc gtggagaatc  60
tcgtgccgaa ttcggcacga gtctctctct ctctctctct ctctctctct ctctctctct  120
ctctctctct ctctctctct ctctctctct ctctctctct ctctc                 165


<210> 737
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(125)
<223> n=A,T,C or G

<400> 737
ggnagcccct ttaaccgttt gtccaagact caggcctgtg cgctcaatcg tggagaatct  60
cgtgccgaat tcggcacgag tctctctctc tctctctctc tctctctctc tctctntctc  120
tctct                                                             125


<210> 738
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n=A,T,C or G

<400> 738
```

```
ggagncnctt gancaggatg accgacttca ggcctgtgcg ctcaatcgtg gagaatctcg 60
tgccgaattc ggcacgagtc tctctctctc tctctctctc tctctctctc tctctctctc 120
tctctctctc tctctct                                                137


<210> 739
<211> 970
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(970)
<223> n=A,T,C or G


<400> 739
aggcctattt aggtgacact atagaacaag tttgtacaaa aaagcaggct ggtaccggtc 60
cggaattcgc ggccgcgtcg acggcccttn gtgccactag ntctttcatt cttccccccc 120
atcaatcagt gaacttttta gcctactcaa agctttgctc caatgcatag gatttatgat 180
tgtggggatt tccagtaaat ataaatattc aacatgaata ttttaaatta aggcatgaga 240
cattttcct aactgagcat agccatgaac ctctcacgtc tgttcctctg tgtcagtttg 300
tancactgaa tacagcagcc ctcctaaaag tccaggcagt gcacaggtct tgacatgatg 360
aagtgacgtg ttgctatggt gattttgcag ctggccaaat agtcactggt tgattttacc 420
cagcaggaga tttttgcaaa aatttcctgg gtgagagtga aatcaaactc ctattttgnt 480
tctcctctgc aagctgnagt taagatggat taatgagtac ttttagatta attaactctg 540
aagagaaaat gggagaaaag tgaggaaggt tgttggcaga agtcattgct ggaatcctto 600
tgaaggagagt actgacttca cttgcaaaga cnagagacta naagacaatg aagttaaact 660
tggcctgtct ctcatatgat agatgctgag agtcnggntc agggaaattt aattctgtca 720
tacgcatatn ggattatgtg gtcatggatt tgttggccat aaccngcctn taatcagnat 786
aagaaaagtg ttttggtaga naaaagaaat tatggcccag aaaaacctgg aanacttgga 840
aaaaatgntn gggggcttg ggtggtggtc tnaaaanacc ccctggggat nttttaaacca 900
aaantgaaga agggaaaaat ntttccccnt ntttttnttt tttgccccct tggggattggn 960
ttttnttccc                                                       970


<210> 740
<211> 739
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(739)
<223> n=A,T,C or G


<400> 740
gntgtcnaaa aagcaggctg gtaccggtcc ggaattcgcg gccgcgtcga cggcccttgg 60
tgccactagt tctttcattc ttccccncca tcaatcagtg aacttttttag cctactcaaa 120
gctttgctcc aatgcatagg atttatgatt gtgggggattt ccagtaata taaatattca 180
acatgaatat tttaaattaa ggcatgagac attttctctn actgagcata gccatgaacc 240
tctcacgtct gttcctctgt gncagtttgt agcactgaat acagcagccc tcctaaaagt 300
ccaggcagtg cacaggtctt gacatgatga agtgacgtgt tgctatggtg attttgcaaa 360
tggccaaata gtcactggtt gattttaccc agcaggagat ttttgcaaaa atttcctggg 420
tgagagtgaa atcaaactcc tattttgttt ctcctctgca agctgnagtt aanatggatt 480
aatgcgtact tttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaanggtt 540
gttggcagga gtcattgctg gaatccttct gaagggagta ctgacttcac ttgcaaaagac 600
aagagactan aagacaatga agttaaaactt ggcctgtctn tcatatgata gatgcttgag 660
agtacaggnt cagggggaaatt ttaattctgn catacgcata ttggattatg tgggtcatgg 720
cttgtgtttgg cncctaacc                                             739
```

```
<210> 741
<211> 1171
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1171)
<223> n=A,T,C or G

<400> 741
gccttgnggt gacactatag aacatgtttg tacaaaaag caggctggta ccggtccgga    60
attcgcggcc gcgtcgacgg ccctttaatgc cactagttct ttcattcttc cccccccatca   120
atcagtgaac tttttagcct actcaaaget ttgctccaat gcataggatt tatgtattgty   180
gggatttcca gataatataa atattcaaca tgaatatttt aaattaaggc atgagacatt    240
tttcctaaat gagcatagcc atgaacctct cacgtctgtt cctctgtgtc agtttgtagc     300
actgaataca gcagccctcc taaaagtcca ggcagtgcac aggtcttgac atgatgaagt     360
gacgtgttgc tatgtgatt ttgcagctgg ccaaatagtc actggttgat tttaccagc     420
aggagatttt tgcaaaaatt tcctgggtga gagtgaaatc aaactcctat tttgtttctc     480
ctctgcaagc tgtagttaag aagggattaa tggagtgactt tttaagaatt aaattaacct    540
cttgaaagaa gaaaaaatgg gggaagaaaa aaagtgggaag ggaaaagggn ttggtttttgg    600
gccnaaaaaa aagttccaaa tttnggcntt gggggaaaaat tcccccnttt ccttggnaaa     660
aggggggnaa ggttaancct tgggaaccct tttccnnnct tttnggccca aaagggggac     720
ccangggaaa agaaccttta gggnaaaggaa acccatttgg gaanggggttt naaaaccnttt   780
ngggccccog ggccctcctc caaaaaggga aaaaaaaagg cctgaaaaan gtaccagggt      840
ttcangggna aaanttaaaa ttcttggcca atancnccat aattgggaat tatggggggg     900
ccatgggctt ttggtttggg cncttaaccc cgcnttttaa attcaaanna aaaaaaagng     960
gtttggaaaa nnaaannaaa aaaattnaan ggncccnaaa aaaaaccctg gaaaaccttt     1020
ggaaaaaaat tngnnggggg gccntttggt tgggggggtt tnaaaaaacc cccngggggg     1080
ttttttaagc ccaaaaaggg gggaggggnaa aaanggtncc cttnttttt ttttnngccc     1140
ccctttgggga atgnnttant tcangggggcc c                                 1171

<210> 742
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n=A,T,C or G

<400> 742
gntgtcnaaa aagcaggctg gtaccggtcc ggaattcgcg gccgcgtcga cggccttgg     60
tgccactagt tctttcattc ttccccncca tcaatcgtg aacttttttag cctactgaaa    120
gctttgctcc aatgcatagg atttatgatt gtgggggattt ccagataata taaatattca   180
acatgaatat tttaaattaa ggcatgagac aittttctta actggcgcata actgaacccc   240
tctcacgtct gttcctctgt gncagtttgt agcactgaat acagnagccc tcctaaaagt    300
ccaggcagtg cacaggtctt gacatgatga agtgacgtgt tgctatgtgt atttttgcaaa   360
tggccaaata gtcactggtt gatttttaccc agcaggagat ttttgcaaaa atttcctggg   420
tgagagtgaa atcaaactcc tatttttgttt ctcctctgca agctgnagtt aanatggatt    480
aatgagtgtac tttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaaggtt   540
gttggcagaa gtcattgctg gaatccttct gaagggagta ctgacttcac ttgcaaagac    600
aaagacctan aagacaatga agttaaactt ggcctgtctn tcatatgata gatgcttgag    660
agtacaggnt cagggaaatt ttaattctgn catacgcata ttggattatg tgggtcatgg    720
ctttgtttgg cnccctaacc                                                739
```

<210> 743
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(610)
<223> n=A,T,C or G

<400> 743
ctgtccttat ttctttagca aaaatttccc aagagaagaa ttgctgggat aatgcacatt 60
taaattttg atagacattc ccaaatatta tacctgtttt tgagaccttt aattcctgtt 120
gtcaaattgc cctatatatg gagtcataaa cacgatttaa agaaatgagg actaaaaaaa 180
gattatatat aacccaacat aaaggcaacc tcttaggcgt tgacagaaac tgacaacttt 240
ttatctgtgg gtgcgatcca ttataagtaa cctgagcacc ttatttcttc ttttaaact 300
ctaggtagga tacccgaggt ccacaaattt ttcatagaa atatttttc tctgccctat 360
gagattttaa aaaatattat actgcttcaa ttgcatcaaa agaaatggac cctaatatct 420
atgatgaagg atttggagtt agaagacctg agttcaatt ttggcatggc tgtttgtcta 480
gctctgtggat cttggacagg tcaattgact tggcttaatc ttctcatcca tttagnggag 540
acagcaccac tattcacagg actattgncn gaattaccag acaatagcat aggngaaaat 600
ataangcctt 610

<210> 744
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(127)
<223> n=A,T,C or G

<400> 744
ttnacctccc tggaccgggc cccccttccc cgggcgggatc ccccgggctg caggaattct 60
gcacgaggga gagagagttn gagagagaga gagagagaga gagagagaga gagananaga 120
gagagag 127

<210> 745
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n=A,T,C or G

<400> 745
gatatcccgg gattcgcggc cgcgtcgacg tggcctctag tttgtcctgg tccaaagcag 60
ggaagctggg ctacgtcctg cccaggtcag ccttaggtta agggctgcct gggggagggga 120
acttcctggg ccttcgggtc tctgtgcact gggtggcca ctgtggccca gaatgccctg 180
gagaaggtc ctactggaag cgaagtgca gggcagcagg gcctgagggg caggagctgg 240
tggaggctcc cagcacaggt cgcgcccca gtcacatcac tgctgatggt gggggacttt 300
ggggagtttc ccccagagaat gggaggtctc acagtccccg tgctgcaatg ctgtcggtgc 360
actgngncng caatgtgctc atggncactt gcttttctc tgtggcccg gcgatttat 420
ccagcaanga aoccctcttc tnctctccgg anaaagcc 458

```
<210> 746
<211> 893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(893)
<223> n=A,T,C or G

<400> 746
aagcaggctg gtaccggtcc ggaattcgcg gccgcgtcga cgtcgggagt tagctctctg   60
gaccccgtca tagagtaagt catcgataga gcatttgctt gatgggggact tccagaaggc  120
canngaaagt cctgccgact tcctgggaa gcccatccgc acgtggggtg agggtcccca  180
natggaagca gctgtgtatg cagggagggg gcagaggctg ctgccaatgg gcatgtcct   240
tacctgaaag ggccacctct ccaggtgaca tgtcctgggg gagccggggc cgtctgctcc  300
ggccagaggc gctcagctca ggccacacca ggcaggcgac ctcccaacct ggacaggtgg  360
ggaccaaggt ggcttggac aaaactctct gtgtttgcca agcacccaat cggacacaga  420
gagtcaacca caccccagtc acatggtgtc cacacngcag gggtcaagga ggccccggcc  480
ctcccctca gacgtcctg ggcctctggg agtcagcaag gacgcggacg gcattgccct  540
tcgagacagg aagggagtga cctcctcccg gcggcatcca ggctcngctt ctccggagag  600
gagaggggc tacttgctgg ataaaacggc cggggcaca gagaaaagc aaggtgacca  660
tgagcacctt gcaaacacag tgcacccacc agcatttnag caccngggac tgtgacgacc  720
tcccattct tcggggggaa acncgcccaa ngttcaccac acentcacta gtgnattgtg  780
acctggggga cgggccgacc cctgtcngctt gggnnagccc tccncccagg tttcttcnggc  840
ngccccnttaa nggnccctng nttggccccct tggccnccctt tncgcttttcc cca       893
```

```
<210> 747
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n=A,T,C or G

<400> 747
gatatccgg gaattcgcgg ccgcgtcnac gaagcacaga cctgngccct gctctcatgg   60
ggcagactgc catttgtcat tnattactga aggaaaggga tcctcagttt gcttgtggac  120
atttcaaatt tgaggtgaga gttggataag taagaataaa gctgctcttc aaagagatga  180
atatagaaaa agaaacaaga tacagncttg gcagtaaggc tgggaggaag gggaaaaggt  240
aataaagaat gaaagagtga gaaatgtgag caggagctga acacagaaaa gttcagngac  300
agaagcaaaa ggagggaaga agggaggagg gtcccttca cagaggctca cgaggatgct  360
ttatgngtgc cctgcagtcc atgttcagga tgtctgcttc ttanctctct acttttctaa  420
taaaaatttg gatacttact gatcctacat atgtaacagg gagagaaggt gaattttcaaa  480
gcantaaatt gaaaaattgt tcacaatttc atttttttaa aaasgggagc taacagaaga  540
agaggttaat gtggtaatta taggatgnct ctgcgacac atgaatgnat ctggtatcat  600
ctgagtggga ggggagtgtgt cttcctgacc caaaaggatc ctttcgttan ccngnactta  660
ngtcccaaaaa cctcaccacc ttggagaaat natttccttt tggggggtntc attaaaacct  720
tttggnccccc gcaaaagc                                                 738
```

```
<210> 748
<211> 647
<212> DNA
<213> Homo sapiens

<220>
```

```
<221> misc_feature
<222> (1)...(647)
<223> n=A,T,C or G

<400> 748
ctntgtggcg gtggctgtct catttgggtg gacttttttgg gtcgtaggaa cctggtatng   60
aggtggagag taagacgggc tattagtagt cgcatcggag ttatttgtga aaacctggtt  120
agggcctctg tctcggctgc gctcgcctaa attggtatgg ctcgacttgg aaacacggtt  180
ctaacacgcg ttgttagcgc ccttgctagc atgtgaagga cactggccct accaagaaag  240
attcgagtcg ctccttccgg tatcgttcac ggaggcgata tttactcttc ttactacggt  300
tacttccgag ttgtctgtga agtttaagac tactaaaaag agtattaagc ctatcgggaa  360
ttagctagat cgacacgcta aaaccaaggg caatcgggag aaatatagag gcaccaataa  420
tagggcctac agaaggcccg agggttagac tcacgtttaa tacgggccac gggagaaata  480
aaangataaa gtatacatcg tttagcggtc ctcggaagcc ttcggcttta atgccaagga  540
gtcggaagca tcgtcggcga gtaataaact ccatcgcgcc gagactatct aogacgccct  600
ccttaanatc cgtaaattac tcccggaaag agtatttagg cggctct               647
```

```
<210> 749
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n=A,T,C or G

<400> 749
ctntgtggcg gtggntgtct catttgggtg gacttttttgg gtcgtaggaa cctggtatgc   60
aggtccgcgg agcgtgggct ctcgtcgtgg atgttggggg ttggtgtggt gccggttgtt  120
tttggttctg ttgagcgtag tgtgtttgaa ggttagcgtt cgtgtctgc ttgtggtttg  180
gtgtttaggg cgggtggggga ggttgttgtg tagctgttgt atgtcatatt gttggtgttg  240
ctgccctgtg ctgtttgtcc ttggttattg tggtcgttac cccgcctgtg tggaagtgtt  300
gtggcagggc gggaatttaa gtgggagagt tgtgggaccc gtggttgttg ttacgttgct  360
gctttgtct tgggcggtgg cggcgcgtct gataattaga attggatacg gagtcgtataa  420
tacttctagt aaatggggac ctagtgcttg acttcccgga alaggatct atgcgaagtc  480
cttaggatag tctttgataa gtttaacgcc cacgaccct aaattataca cgattagacg  540
cataacgact cctccaggaa agataaagaa tctcacatat agaacgggac cccatacacg  600
tcggataggaa aacaagagaa ctaatttttng ttaaaagac tt                 642
```

```
<210> 750
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(639)
<223> n=A,T,C or G

<400> 750
tttgtggcgg tggtgtctca tttgggtgga ttttttggtc gtaggtaacc tggtatngag   60
gtatagatgc cgattggtcc cgacgacgcgt cacgatataa tcggtagttt cgccctttt  120
agaaggcgct agtactcgga acttcacttc atctcggttag tttactttgg cgtatatagc  180
cttctccctc gaagaactagc cgtcacattc gttccctagg aatcgttttct gccccctaaga  240
atccgagagc gagtcccga aactagagga accttagaag agtcgtattt ccacaaggac  300
cccacagtca ttccgggaaa atccctcagga ccatacggtt aggattcccc cggaaccccgg  360
agcaaagtc atgatttccc acacccgcgag agcgcctata accctatccc attttcttcgg  420
```

```
gttatcgagg atattacgat caagccgaga gaacgcctag aaccgctttc ttcgctttct 480
cacggaacct ataagtagaa agagaaactc aggtcttaag ggggcgcttc ggctaacgaa 540
acttctactt acgaagagag tatctagaca ttaagtcata aaaatccact acgcaactcg 600
tgtacgctat catcgggagc ggttcataga cggtgtccg                        639


<210> 751
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(637)
<223> n=A,T,C or G

<400> 751
cttttgtggc ggnggtgtct catttgggtg gattttttggg tcgtaggnaa cctggtatng 60
aggcagctct gagcccccccc ccccccccccc cccccccccc cccccccccta ggngggttggg 120
aanacggtgg atacctaaat cgagtgngtt cattaaaagt agttgattac nccctaaaat 180
aanaanaggg cttcgtcggg aaaaatcggt aaggaaaagt ctttntggca tcataaanat 240
actggctcgg gtcctaanat ntttaaggng gtcnccgagg gtnttcatac cgataaanaa 300
cgttttccta tcggcaacgg gcttacctga gggnggactt ctcmcgggag gyngattnan 360
acgaaanacgt agaggattnc cgntactttt tcganatcacn cgtatcatac ttgtaagcat 420
aatfntcctg aaaagtgtta taanaataacg cncgcatatt cgnttttttcg tcctagggat 480
gcttaaatgg cgatactgct atagcgggtg agcgttggtt ctcgagnaan aaagcgtgtc 540
ctaatgcgtc taaggnttta aggncgttgg tttaaaaata ncctagaaa cctcgaggcg 600
gatactggtt tnttttttaac gaaacaaagc accccnn                          637


<210> 752
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n=A,T,C or G

<400> 752
tntgtggcgg tggtgctcat ttgggtggat tttttggggtg taggaacctg gtatgaggtc 60
ttgcgagttg ttggtgtgtc ctgtcgttcg gtggttcccct tttgagttga gtttgtcctt 120
tgaggttgtt agctgctgtt cgtttgtgtt cgtgtagtgc tttgggttga gagggttatg 180
gtggtggtta cggtgtattg tcgncccgtgg tcgcgggggt ggggtggtcg tcggttttgt 240
ggttcatagt agtcttctgc gttcggtggt gcggggttttgg gtgagtagtt tcgttcttgg 300
atgtcccatt gacccgccat aatctaagta agggttagta gaaaccctc cccgatagac 360
acaacgtcg tccactaaag acctcgcctc tgattttttaa aaggacccga aaaacatccc 420
ttcaccggaa aaaacggaaa aaaagtcagc gaattcaaag aagccacggg agagaaaaa 480
gaactaaagt tagtccgtcs ttatatgtct cctcggagga ggaagcgygcg gtggcggaaa 540
atgaggcggt aagaaagacg acctctatcg gcygcttang ccctaaaagg gcgataacctt 600
acgggatgat aaggaccata ggacgcctcc ttctcggatc gtcc                   644


<210> 753
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> (1)...(635)
<223> n=A,T,C or G

<400> 753
ctttgtggcg gtggtgctca tttgggtgga tttttgggtc gtaggaacct ggtatgaggg     60
aatcagctcg accccccccc cccccccct ccgagcaga gcccaaccca aagtccaccg      120
actacccgag taaactctcg gaggtagaa taagaaggag tagtcctag ccaatagaag      180
tagttccgag ccgttaggac agcggacgga acattaaga aagagcctat attagggagg     240
aagtaaacgtt cctctttcgg agctctttaa ggggtagtgc cagaacoagg gaagaggacc    300
ogtcggctat tgcccgtcga taccggctct cacggngagc ctaggttcga ggataggggc    360
gctcgtaaaa ttatacggtt tccgagaaac gcttccgtag accgggtcct aaatcgtccg    420
gagtattngg agagggatcc ttcggaccct agggacagag aggagaaac ggaggttaca    480
ggaggagaac gtntcctcnc tagtttttctt tangtcgaaa aatttcttac cgatagggtt    540
cctagggtcg gngaatttac ggttcgaaaa acggtagtnc ntaanggntg ntattnggg    600
tagtatcggg tcgtttacaa ntcgtccgtc ttntg                              635


<210> 754
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n=A,T,C or G

<400> 754
acoggattng ttnctgagcg cgtgactgct aataaaaaag atggantgcc atctttttt      60
ttnccttgct ttatatatcc agcagcaaaa caaaattgtt ctgcngggct ataaaatttg    120
gcttgtgagt cntgtacaca actcaggagt gtgacaoagc taccagcttt cctcctaact    180
ctcaagggaa gaaaattcaa gttctgtcta ggctcactct gtaaagtggg aaacttgctg    240
gttttgtagg cttttttttcc ccttcttttcc ctctctcagc ttctccctgc ttctcagaan    300
atggagttgt gatgcctgca acttaccaaa tttatctatg aatcagattc cagtgggaga    360
cccctaaagc agagggagaa taaggagttc tccccatgat ggaaaatatc caaagacaag    420
gtttcatgga gcaaagaatt ctggctagat ttggtttgta agtggatccc tccccactgc    480
gtgtacactt tatctgtctc tttgcttctt cccccaccctc tttcccagct ctctctctgt    540
ctctctcttg ntcccctgac ccttttttct tcccantgca tacttttttn tttccctttt    600
ttaatcttct atantcttaa ncctaccaan gggccctcnt gannaatttn tcaccctgaa    660
atagggggatt ctntangccc tgagaatttc nttatcanaa aaatattttt ttaaagcatt    720
a                                                                    721


<210> 755
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n=A,T,C or G

<400> 755
acoggattng ttnctgagcg cgtgactgct aataaaaaag atggantgcc atctttttt      60
ttnccttgct ttatatatcc agcagcaaaa caaaattgtt ctgcngggct ataaaatttg    120
gcttgtgagt cntgtacaca actcaggagt gtgacacagc taccagcttt cctcctaact    180
ctcaagggaa gaaaattcaa gttctgtcta ggctcactct gtaaagtggg aaacttgctg    240
gttttgtagg cttttttttcc ccttcttttcc ctctctcagc ttctccctgc ttctcagaan    300
atggagttgt gatgcctgca acttaccaaa tttatctatg aatcagattc cagtgggaga    360
```

277

```
cccctaaagc agagggagaa taaggagttc tccccatgat ggaaaatatc caaagacaag 420
gtttcatgga gcaaagaatt ctggctagat ttggtttgta agtggatccc tccccactgc 480
gtgtacaatt tatctgtctc tttgcttctt cccccacccc tttcccagct atctctctgt 540
ctctctcttg ntccctgac ccttttttct tcccattgca tactttttt tttccttttt 600
ttaatcttct atantcttaa ncctaccaan gggccctcnt gannaattcn tcacccctga 660
ataggggatt ctntangccc tgagaatttc nttatcanaa aaatatttttt ttaaagcatt 720
a                                                               721
```

```
<210> 756
<211> 873
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(873)
<223> n=A,T,C or G
```

```
<400> 756
ggaagaatac agtaagtttg caaattaaaa tttctctatt tttctgttat ttattcattt 60
ggaaactgtc agcctgtctc tttcacttg ggcaagtgaa agcaaagacg tccagtccta 120
tcagcaatta ggctgaaagt caacgccaag ctggcgggca agggctggtc tgagtagagg 180
ttcctcaggc aggcaagega gagctcccca ctggatactc ccagctaggc aactgcctga 240
atgcaaatga gcactcatta taaccegccc tattttacag gatttaattt tacactccag 300
gcttaatcag tctgaaagtt aaactgacag tgttaagtta cggaatcaat gacatttagg 360
ctttatgact ttgtagctga atatctatgg gctatatttc cattctaaca gtgatatcct 420
gttccagaat ctcattcttt ggtgatggca cttctagtg gagcagtcat ggtaacagtc 480
cacacccatt accatgtggg tgctttacag ctactgacg gaaggactga ggagccaccg 540
gagcaggagt tcctctcagg gaggacgctg acacttccac agctgcctan gtatgggcac 600
ctgatgccaa cgaanaaccc aaagcgctct cccttccnga tggaagctgc cccacactgg 660
gctgacagca tctggagctg ctctgggtca aatcccggaa tcgcacanct cctancgggg 720
gcgtttanag atcctcnggg ccagctaccg accacttttg acaaggggct taggagcgat 780
aactagnctg gcgcgttaca cncggatgga acgtcttgga cttgagncct cttgggggan 840
atggcncccc caaatcanttt gggaaaanntn ggg                            873
```

```
<210> 757
<211> 782
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(782)
<223> n=A,T,C or G
```

```
<400> 757
ggccccctcga gggatactct agagcggccg ccgactagtg agctcgtcga cgatatcccg 60
ggatttgaga ccaggagaca gctcaagatc ctgtcagccc agtgctgggg gcaggcttcc 120
atctgtgcag tggagaggcg cttggggctt cttcgttggc atcaggtgcc catacctagg 180
gcagctgtgg aagtgtcagc gtcctccctg agaggaactc ctgctccggt ggctcctcag 240
tccttccgtc agtatgctgt aaaagcaccca catggtaatg ggtgnggact ggtacactga 300
ctgntccctt aaaaggtggc cttcccnaag aaaggagaat cctttcgacna gggatttcac 360
ttgnttagaa atgggaaaaa ttaccattta gaattttcgn ttccaaggcn tnaagnccta 420
aaaggccttt gattcccgaa ccttaaccct gggcagttaa ccttttcaaac gggataaacc 480
ctgangggga aaataaaatc ctttaaaaaa gggggggttt naaggagggc tctttggctt 540
tcaggcannt gccaacctgg gaaatttcana ggaggaagtnt tttttttttgc ctgcctaggg 600
aacctttact taaacnaacc cttgnccccc catttggggt tgacttttcan cctaattgct 660
gaaaggaccg ggccgngtttt gnttttccttt gncccaaagg naaanaaacg ggtgccantt 720
```

```
cccangggat tanttcccga aaatttggan aattttttntt tgnaactttt tgggtttttt 780
cc                                                               782
```

```
<210> 758
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n=A,T,C or G

<400> 758
ntttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatnga   60
gggaagagcg ccgtcggtcc gagtacagta tggagtagta tagtcttcgc gccttctcgg  120
gcggcggggc tattctctcc aaaggcagag gtcctcagtc gacctcgctc ccctaggtta  180
ggaacagccg tcgaatattt taggttcgtc gaggctttct tccgagctct acgcctaagt  240
agctccgcga gcaaagtatc ggtcattttc ccctatccat cactcccota agtacgccto  300
attattccgg aaggcaagag gccagcattc ctccttagag tacagggtag gtacctccgt  360
cgcgtgccgc gaaagggcag agcttcgtgt cttcctccg cagcagctta acggtctacg  420
taggcgttct cgatctttc acgggaatcg gggtccggga gggcggcgga aaacgtcgac  480
gtctcggtca ccgtcaccgc cccgaacaac tagcggcttt ccgctttcaa ctgaggaacc  540
ccgcaccct cattagcgct tacgaaatcg gggangtgat tgcgccaatt cgttagcctt  600
cgataattat tctctattag cggtcctatc tccgcgcttc gatttat                647
```

```
<210> 759
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n=A,T,C or G

<400> 759
ctttgtggcg gtggtgtctc atttgggtgg actttttggg tcgtaggaac ctggtatnga   60
gggctctata gaaagcctct tgtctttaga tacgggcttt ctggtcctto gttctggaag  120
tgtagtagta ggtactgcgg gaaggcgaag agtccttca aggacgattt acttaagttg  180
gcttattcta tagttccttc gggacataag gtcggtacga tctatactgc gtgggaagct  240
gataggttgg gacttaaggc gaataagaag gaggcgggg aggtcgcgat taccgcagag  300
atattattta cggcggccgc gggtacgcgg ggtcatgcgg aaattttctg aggttcttgg  360
attcctaaga tcgctcccgt cgagtatact agcgacgaac gtaagagtgc cctcacasga  420
acggttacaa actcaagaag aagttcccat taagcatcgt aagaaaacggt aggacgacga  480
cggtaagaag taatcggaga aaggatccta gtngttacga agaagcatcg ttnagctact  540
ttgcgctacc gtttatatat agacgtgttc cgtcctttctc cgtgtttana aaaaggttt  600
attccgacgg gagacttagg cgaatggagg gttccgcggt tgamaatcgg ancgggg      657
```

```
<210> 760
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n=A,T,C or G
```

<400> 760
ctttgtggcg gtggtgtctc atttgggtgg acttttttggg tcgtaggaac ctggtatgna   60
ggaaaagaag taagcctcga agcctatctc cgaccgtatt tatttcgcag aagacggaac  120
tacggacgtc gttaacccg agtagcccc gtaagaaagg actaacgcga atggaaaagt  180
cgggaattcc ggcggagggg cggcgattac tgaaaggagt aagagtaaga ctattgcgat  240
acttgaggcg ttccctctta aaaggcaccc gaaacactct attaaaaaac acccgaagaa  300
gaacaactca tgcgatcggc cgtgtgcagc cgtcaatagt aaagagagcc atgaaccatg  360
ccatccttag accaattagg atgaagaaga ggaggaagat gaggaccaaa ccctacccac  420
tcggaaaacc ccgcacgagc ctccgaacaa aatccgggaa ttaaaacggc ggccccacttc  480
cgcactctcg tagcgcggac cgaatagaaa accggaaact acagctaaag ggtcctttcc  540
ggcctgttat ctacccaccc gcaatccgat cctcccccgc cctcgtccaa aaaccctaac  600
ctctgcggca acattagagc agaaggagag ggcgatccct tgan             644

<210> 761
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n=A,T,C or G

<400> 761
ctttgtggcg gtggtgtctc atttgggtgg acttttttggg tcgtaggaac ctggtatgna   60
ggcgggtact ctctgggata atcggtataa gtgttgtaaa attgggggta agagaaagtt  120
tcattataag aagtggaagc acgagcccggg gtgtttagtc gttaatatta agacccggttt  180
ttgttgtact tatatagctt gcgcgtgggg aggcaataag aaacattgcg tttcgaggcc  240
ggatgcgggg aaccctcttc ggggtctagga gcgocgcatc tgcaaaataa ggactactga  300
cgcgcctcat aacgtactca acaatgagtc ggcctgcatt aagatttcgg cgaagaaccg  360
tactgcgtct actgatagta tattgcattg atagcggcat gagctttatc acgtgtcgtt  420
tccgggttgt aagaagggag ttaagtcgat cttcgaggaa gaagagaccc caaataaaaa  480
atgactcaaa aaaacctaga agaaacacga cgaaaggaaa aagaacgtta aaactagtag  540
ctcttcggan gagtagcctt agtaggggtaa gtcctccggtg cgtactgtcc taaggtttgg  600
atagcgcggt tgaatacacg gtcacgcgtc agaaggtaaa aanccgg           647

<210> 762
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n=A,T,C or G

<400> 762
cattgtgttg gggtcactga gcccactttt ttccagattt tttgtaaaat tgtttcgcat   60
tgtgttccct ttattcgctt gtattaatat ttgcgtagtg gattaaacaa atacttggtg  120
ttgactgtca gtcttagagg actgactaga agtagttttc atttgggct caggaaatac  180
ctactttata tttctagcta attaggaaag tcattttttca gttagttgg tgttttggtt  240
caggcactcg ctagctagat gacctaacat gctacttaat ttctgagtgt ttgtgtccat  300
ccctgtagga ttgttgcggg gttaaatgaa attgtgtata tttgtaaagc atttacctca  360
gtgcccagac tgtgcagag tagattatta ggcttgctct tatttctgtg attaaattta  420
gtgtcagatt agcaacctat agctacttct aaagctgctg ctgcttttctt tgtttagggt  480
taggaagaas catgctggac agtttgccaa atgagagtta catgatgtgg cttgtgggaa  540
cattctaact tggaacttgc ccatttccag gactttgngg ttcaaagatt tttgggggata  600

280

gatgtaaggg ttaaaaaaaa cngaaaac                                                   628

<210> 763
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n=A,T,C or G

<400> 763
cattgtgttg gggcagagat aaataattcc tctgaaaagt gttttattgg aatttcaaat 60
gaaaagctaa ctggataact tacagcatgt ttctgccaat aatctcttan aacaggcctc 120
ttttttttat gcacaccacc ttcnggc                                                   147

<210> 764
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> n=A,T,C or G

<400> 764
cattgtgttg ggtatgtttt ttgaaggcag gtggacagga tttgctgatg ggtaaatggc 60
agagttaggg ggactgttag aacagagaaa ganatcatgg ggttgggttt gagtctgatg 120
nnnaactggt gccgnntgct cagtat                                                    146

<210> 765
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(129)
<223> n=A,T,C or G

<400> 765
tncncgattc gntnctagcg tntacactna tgtcttggta ccgagctcgg atccactagt 60
ccagtgtggg nggaattcca ttgtgttggg gcaggaggng ctttgngtac ngtgnggctg 120
nagaggcgg                                                                      129

<210> 766
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(175)
<223> n=A,T,C or G

<400> 766

```
cattgtgttg ggcctagtcc gaatactttt agtaacttca gacagatctc ctcatctctt    60
tctggggctt ggnttttctc ctttgtanaa tgatgccttt ctgtggtttt gtcatttcta   120
acattctgtg ngtgatgagg tgtatattcg angaactcta tcnccanagt actct        175


<210> 767
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n=A,T,C or G

<400> 767
nnntttaaaa nctgtnctcc ccgcggtggc ggccgctcta gaactgtgg atccttccca    60
cctggtttgt tttcagtgtt taatcctatt agtatcagca ggatataggt caggatatcc   120
ggtgcagaac ctgtggaatc agccaatttg gcttgctcat ttactttaat aaggtcccat   180
aatgagtgag agtacaaagt tcaagccctg ttgagggtct gcattaaact ctcagaagta   240
tttagagtgt gccaggagcc gcgaaggtct ggttcgggtg gtgcgggga ctgtattaga    300
gtgctaggca cggcgcgaca aagtctgtcc aacccaaaac ggtgctgagg cgttgggtgt   360
gagctccagt actcagaaaa gcatctcagc aggtactcaa cagatcctca ggggcttggg   420
ggcccagcac tggcagtgag ggcatgaaag acataaaagg gcactacctg tgggtatttt   480
ctgttctcca aggaggaagt agcaaaaatt aggacgctgg aatatcctat gttgtagcaa   540
tcccagaaca actgatgtcc aacaaatacc acacaaaaca aattttttaa aatttaatct   600
ta                                                                 602


<210> 768
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> n=A,T,C or G

<400> 768
tccaccgcgg tggcggccgc tctagaactag tggatccaact agtccagtgt gggtgggaat    60
tcgcgcgncg cgtcgacaaa aatactgcta aagtaatatt tttatagatg actattttgcc   120
ttggggccag gaaaagcagc tggagttatt cacttagtac catttttcca tactaacttt   180
gccttttcca tgcttgcttg atgcggcttg cagcactgaa gaacagtttc aattgctagc   240
caaccagaga gcatgatcaa accaaacaag ttccctgttt caggaaaaac aggttttagg   300
taactgaagg gttaccagtt actgattcca caatctctc tgtaaaanat ttctgcctat    360
tatgcaagct gggcggcctt aaanntggta aaactatnaa ataccccatac aatattttaa   420
ngggggcccn ttatnaaagct tttcaggcct tcccctttcc atagcattgg tgggatacaa   480
gaaacctta aacagcaacn agctatcnag gcccaaaagg aaagtaattn tgattttta    540
negattccgn aacgaaaaaa tggctggggtt caaatacnac cttcttttta aaatgggttc    600
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canaaaing n                                                         671


<210> 769
<211> 877
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<222> (1)...(877)
<223> n=A,T,C or G

<400> 769
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ggtttgttct tcacttggct aacccctctt ttacttaagc acacttgaa cattccctcc 180
ttcccattt cccgcagng cccctaatgg acatacttct gaataacaca ggtggtattc 240
cttccttgtt ggaacctcct ggaggaagag acagatgatt aacaaatcct tccatcaacc 300
cctttgacca tgacatcaac agtgctccaa attatgggt accgtattag cctatgtcta 360
tcttgatcag aatccttacc tcggtgtatt gaaattatct atttcgtgcc tgcctctta 420
aagtcagggt ttgccttatc tattgtctaa caccatgcag taggtaacat gcagtaggaa 480
acatggcatt aaattatttg ggtcaaatc ccagttatgg tgtgtaaatg cctaccaggc 540
cgtgaggcac ctgctaagca ggttgcaagc atcatttgaa ttcacaccac cctttgcaa 600
tagaacagat aggcaacagm ggctcatttg ggctaaagga tttgatgcag gggaagtgcc 660
aggattccca ccaaggcctc anggcccagg tccangcaac atgtctgttg tgacaactgg 720
agtgcatttc atatccccctn ctctgngggg naaggtccct cncgngygaga acnnttaaaa 780
caatcatntc tngggggntt aatgcttctt nccccagtgt ggtncattgc ngccacgagt 840
cccanccact agtcccangt ctgtcatgaa ccanccc                          877


<210> 770
<211> 874
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(874)
<223> n=A,T,C or G


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ccgatgagta ggtaacagta ttttactgat aggtaatcta aagaaggagg ctaaataaat 180
tgcccaattt cgaacagtga gaggaagaat taggattgaa acacatatag tggcttcaga 240
atctgtaacc ctcacgatgc aactactact tctttcagaa tacccttgc ctatctattc 300
tgttcctatg tcatcaaatt atacttactt taaaaagtat ttgtctttat tatttttaaa 360
aaaacaoagg gaagtatttc tgatcagggg cagtattggt tctgaaagac aagccagtgt 420
ttttgugggt ttctcccttg ccagtttttc tatgctgggt tattcsagtc ctaagganttg 480
tgtagctatt acagaacgc tttagcaaat gtgttccatt aatcasggtg attttataaca 540
aaatttcatc caagtttgga gtgtctctgaa aacatagcca aaatgttcgc agggtctacc 600
cctctcgtgt gtccctttt tttagtatt tcagaagcac actggtgcsa tattttacga 660
aatgagtttc ttccccttac ctctgcatcc tctaagaaaa aatcattgnt gttttatgaa 720
natgaaaatc ctgctatttc atatcttgat tggagctgct taattaaatg accatttta 780
aatttgtttt gattccnngc aaaaaaagtt tnttnttgga tgtaggsggc tcnnaaagnc 840
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<210> 771
<211> 156
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(156)
<223> n=A,T,C or G


<400> 771
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gtgtggtgga attcgcggcc gcgtcgaccg cgagcggtcg ccctttttt tcttttttth 120
ngtttttttg aanaattcat tgggtatttta ttattc                        156

<210> 772
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n=A,T,C or G

<400> 772
ncaaactggn ctccaccgcg gtggcggccg ctctagacta gtggatccac tagtccagtg 60
tggtggaatt cgcggccgcg tcgatcacca agtgctcacc agtccngnat ttattttatc 120
tccagatatg aaacttaccc ccagctatgg tcttctattt gttatttaat ttctaggcca 180
atttttttcca cttgaatgtc agtattttas ttcaaagtca cctgtccaa ataccaagtc 240
atcaacttac cctcaaatta tatcctcatt cagaaaatct acatctatta atggtagcta 300
tttttatccct gcccectgct tttttctttt atatttaatt aatttgntca tccagcaaat 360
gcttattgaa caggtattgt aggctaaaca attctanact ttaagggaac acagnttgca 420
aaacaaaatc ctgccttgna tggatactta tgnnatggng ggatacagac aatcaacata 480
atganngnca tcatatataa tggttagnan aatgataagg gntttttggga aaaaaatgca 540
cccanccaan anggattggg aagtggangg ganggtcang gganngg              586

<210> 773
<211> 2983
<212> DNA
<213> Homo sapiens

<400> 773
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aagagctgca agttctccac attgactctt gaatcagga caacgccgtt tctcaccaca 120
catggagatt ccaaacgagc agtcctgtgt tccggcgaqg acaggtgttt cacctgcggc 180
tggtgctgaa ccagccccta caatcctacc caccactgaa actggaattc agcacagggc 240
cgaatcctag catcgccaaa cacacctgg tggtgctcga cccgaggacg ccctcagacc 300
actacaactg gcaggcaacc cttcaaaatg agtctggcaa agaggtcaca gtggctgtca 360
ocagttcccc caatgccatc ctgggccaagt accaactaaa cgtgaaaact ggaaaccaca 420
tccttaagtc tgaagaaac atcctataco ttctcttcaa cccatggtgt aaagaggaca 480
tggttttcat gcctgatgag gacgagcgca aagagtaaat cctcaatgac acgggctgcc 540
attacgtggg ggctgccaga agtatccaaat gcaaaccctg gaactttggt cagtttgaga 600
aaaatgtcct ggactgctgc atttcctgc tgactgagag ctccctcaag cccacagata 660
ggagggaacc agtgctggtg tgcagggcca tgtgtgctat gatgagcttt gagaaaggcc 720
agggcgtgct cattgggaat tggactgggg agtatgaagg tggcacagcc ccatacaagt 780
ggacaggcag tgcccgatcc ctgcagcagt actacaacac gaagcaggct gtgtgctttg 840
gcnagtgctg ggtgtttgct gggatcctga ctacagtgct ggagcgtttg ggcatcccag 900
cacgcagtgt gacaggcttc gattcagctc acgacacaga aaggaacctc acggtggaca 960
cctatgtgaa tgagaatggc aagaaaatca ccagtatgac ccaggactct gtctggaatt 1020
tccatgtgtg gacggatgac tggatgaagc gaccggatct gcccaaggge tacgacggct 1080
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tctcagaagt gaatggtgac aggctcatct ggttggtgaa gatggtgaat gggcaggaag 1260
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tggggcaaga caggcggaga gatatcacct atgagtacaa gtatccagaa ggctcctctg 1380
aggagaggca ggtcatggat catgccttcc tcctttctcag ttctgagagg gagcacacagac 1440
gacctgtaaa agagaacttt cttcacatgt cggtacaatc agatgatgtg ctgctgggaa 1500
```

```
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tcttgggctc ctttgaacta cagttgtaca ctggcaagaa gatggcaaaa ctgtgtgacc 1620
tcaatagac ctcgcagatc caaggtcaag tatcagaagt gactctgacc ttggactcca 1680
agccctacat caacagcctg gctatattag atgatgagca agttatcaga ggtttcatca 1740
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aocotgagtt ctctataaga ttgcctaaca caggcagaat tggccagcta cttgtctgca 1860
atgtatctt caagaatacc ctggccatcc ctttgactga cgtcaagtc tcttttggaaa 1920
gcctgggcat ctcctcacta cagactctg accatgggac ggtgacgcct ggtgagacca 1980
tccaatcccca aataaaatgc acccaataa aaactggacc caagaaattt atcgtcaaat 2040
taagttccaa acaagtgaaa gagattaatg ctcagaagat tgttctcatc accaagtagc 2100
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cttctgttaa ctgaagcctg ctccttcttg ttctgccctc cagagatttg ctcaaatgat 2940
caataagctt taaattaaac tctacttcaa gaaaaaaaaa ccg                    2983
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<210> 774
<211> 3064
<212> DNA
<213> Homo sapiens
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<400> 774
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ggcattgcag gagagaatct gaagggatga tggatgcatc aaaagagctg caagttctcc 180
acattgactt cttgaattag gacaacgccg tttctcacca cacatgggag ttccaaacga 240
gcagtcctgt gttccggcga ggacaggtgt ttcacctgcg gctggtgctg aaccagcccc 300
tacaatccta ccaccaactg aaactggaat tcagcacagg gccgaatcct agcatcgcca 360
aacacacct ggtggtgctc gaccggagga cgcctccaga ccactacaac tggcaggcaa 420
ccottcaaaa tgagtctggc aaagaggtca cagtggcgt caccagttcc cccaatgcca 480
tcctgggcaa gtaccaacta aacgtgaaaa ctggaaacca catccttaag tctgaagaaa 540
acatcctata cctttctctc aacccatggt gtaaagagga catggttttc atgcctgatg 600
aggacgagcg caaagagtac atcctcaatg acacggggtc ccattacgtg ggggctgcca 660
gaagtatcaa atgcaaaccc tggaactttg tcagtttga gaaaaatgtc ctggactgct 720
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tcgggaaaaa catcagcacc aagycagtgg gcggagagat atcacctatg 1440
agtacaagta tccagaaggc tcctctgagg agaggcaggt catggatcat gcctbcctcc 1500
ttctcagttc tgagaggag cacagacagc ctgtaaaaga gaactttctt cacatgtcgg 1560
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attc                                                              3064
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<210> 775
<211> 684
<212> PRT
<213> Homo sapiens

<400> 775
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                5                   10                  15
Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser
            20                  25                  30
Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu
        35                  40                  45
Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Glu Phe Ser Thr
    50                  55                  60
Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
65                  70                  75                  80
Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
                85                  90                  95
Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Pro Asn Ala Ile
            100                 105                 110
Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
        115                 120                 125
Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu
    130                 135                 140
Asp Met Val Phe Met Pro Asp Glu Asp Glu Arg Lys Glu Tyr Ile Leu
145                 150                 155                 160
Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys
                165                 170                 175
Lys Pro Trp Asn Phe Gly Gln Phe Glu Lys Asn Val Leu Asp Cys Cys
            180                 185                 190
Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp
```

286

```
          195                200                205
Pro Val Leu Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys
210                215                220
Gly Gln Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly
225                230                235                240
Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr
245                250                255
Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala
260                265                270
Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser
275                280                285
Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val
290                295                300
Asp Thr Tyr Val Asn Glu Asn Gly Lys Lys Ile Thr Ser Met Thr His
305                310                315                320
Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg
325                330                335
Pro Asp Leu Pro Lys Gly Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr
340                345                350
Pro Gln Glu Arg Ser Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu
355                360                365
Thr Ala Ile Arg Lys Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe
370                375                380
Val Phe Ser Glu Val Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met
385                390                395                400
Val Asn Gly Gln Glu Glu Leu His Val Ile Ser Met Glu Thr Thr Ser
405                410                415
Ile Gly Lys Asn Ile Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg
420                425                430
Asp Ile Thr Tyr Glu Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg
435                440                445
Gln Val Met Asp His Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His
450                455                460
Arg Arg Pro Val Lys Glu Asn Phe Leu His Met Ser Val Gln Ser Asp
465                470                475                480
Asp Val Leu Leu Gly Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg
485                490                495
Lys Thr Ala Ala Leu Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu
500                505                510
Gln Leu Tyr Thr Gly Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys
515                520                525
Thr Ser Gln Ile Gln Gly Gln Val Ser Glu Val Thr Leu Thr Leu Asp
530                535                540
Ser Lys Thr Tyr Ile Asn Ser Leu Ala Ile Leu Asp Asp Glu Pro Val
545                550                555                560
Ile Arg Gly Phe Ile Ile Ala Glu Ile Val Glu Val Ser Lys Glu Ile Met
565                570                575
Ala Ser Glu Val Phe Thr Ser Phe Gln Tyr Pro Glu Phe Ser Ile Glu
580                585                590
Leu Pro Asn Thr Gly Arg Ile Gly Gln Leu Leu Val Cys Asn Cys Ile
595                600                605
Phe Lys Asn Thr Leu Ala Ile Pro Leu Thr Asp Val Lys Phe Ser Leu
610                615                620
Glu Ser Leu Gly Ile Ser Ser Leu Gln Thr Ser Asp His Gly Thr Val
625                630                635                640
Gln Pro Gly Glu Thr Ile Gln Ser Gln Ile Ile Lys Cys Thr Pro Ile Lys
645                650                655
Thr Gly Pro Lys Lys Phe Ile Val Lys Leu Ser Ser Lys Gln Val Lys
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287

```
              660                        665                        670
Glu Ile Asn Ala Gln Lys Ile Val Leu Ile Thr Lys
          675                        680
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<210> 776
<211> 679
<212> PRT
<213> Homo sapiens

<400> 776

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Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser
                 20                        25                        30
Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu
            35                        40                        45
Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Glu Phe Ser Thr
       50                        55                        60
Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
  65                        70                        75                        80
Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
                      85                        90                        95
Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile
                 100                       105                       110
Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
            115                       120                       125
Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu
       130                       135                       140
Asp Met Val Phe Met Pro Asp Glu Asp Glu Arg Lys Glu Tyr Ile Leu
  145                       150                       155                       160
Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys
                 165                       170                       175
Lys Pro Trp Asn Phe Gly Gln Phe Glu Lys Asn Val Leu Asp Cys Cys
            180                       185                       190
Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp
       195                       200                       205
Pro Val Leu Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys
  210                       215                       220
Gly Gln Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly
225                       230                       235                       240
Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr
                 245                       250                       255
Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala
            260                       265                       270
Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser
            275                       280                       285
Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val
  290                       295                       300
Asp Thr Tyr Val Asn Glu Asn Gly Glu Lys Ile Thr Ser Met Thr His
305                       310                       315                       320
Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg
                 325                       330                       335
Pro Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr Pro Gln Glu Arg Ser
            340                       345                       350
Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu Thr Ala Ile Arg Lys
            355                       360                       365
Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe Val Phe Ser Glu Val
  370                       375                       380
```

```
Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met Val Asn Gly Gln Glu
385                 390                 395                 400
Glu Leu His Val Ile Ser Met Glu Thr Thr Ser Ile Gly Lys Asn Ile
                    405                 410                 415
Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg Asp Ile Thr Tyr Glu
                420                 425                 430
Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg Gln Val Met Asp His
            435                 440                 445
Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His Arg Gln Pro Val Lys
        450                 455                 460
Glu Asn Phe Leu His Met Ser Val Gln Ser Asp Asp Val Leu Leu Gly
465                 470                 475                 480
Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg Lys Thr Ala Ala Leu
                485                 490                 495
Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu Gln Leu Tyr Thr Gly
            500                 505                 510
Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys Thr Ser Gln Ile Gln
        515                 520                 525
Gly Gln Val Ser Glu Val Thr Leu Thr Leu Asp Ser Lys Thr Tyr Ile
    530                 535                 540
Asn Ser Leu Ala Ile Leu Asp Asp Glu Pro Val Ile Arg Gly Phe Ile
545                 550                 555                 560
Ile Ala Glu Ile Val Glu Ser Lys Glu Ile Met Ala Ser Glu Val Phe
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Thr Ser Asn Gln Tyr Pro Gln Phe Ser Ile Glu Leu Pro Asn Thr Gly
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Arg Ile Gly Gln Leu Leu Val Cys Asn Cys Ile Phe Lys Asn Thr Leu
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Ala Ile Pro Leu Thr Asp Val Lys Phe Ser Leu Glu Ser Leu Gly Ile
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Ser Ser Leu Gln Thr Ser Asp His Gly Thr Val Gln Pro Gly Glu Thr
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Ile Gln Ser Gln Ile Lys Cys Thr Pro Ile Lys Thr Gly Pro Lys Lys
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